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THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Detroit, Mich., August, 1899. ELMER D. SMITH, Adrian, Mich., Secretary.

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Last Winter's Effect on Trees and Shrubs at St. Louis.

The past winter was more disastrous to trees and shrubs around St. Louis, Mo., than any of the past thirty years. At about that time we had a fine lot of Cupressus Lawsoniana (Lawson's cypress) ten to twelve feet high, handsomely developed trees, but all were killed. We had also two Cedrus Libani, two Cedrus Deodara and one Cryptomeria Japonica. These were ten feet high and well established and stood in sheltered positions; but they suffered the same fate, as did also six well established hedges of Buxus sempervirens. Outside of these, trees and shrubbery were left comparatively uninjured, but the past winter was not so careful in the selection of its victims, its attack being made in more of a broadcast way, severely injuring or completely killing many of those which had braved the battle during the last twenty or thirty years. Among these were many of the deutzias, althæas, tamarix, diervillas, calycanthuses, kerrias, rhodotypases, cornuses (especially C. Florida), ligustrums (not L. vulgare) and philadelphuses.

Many of the doubtfully hardy shrubs which have for some years past shown their willingness to remain with us and help to build up a more extensive collection of shrubbery than was generally used, though well mulched in late fall, had to die. Many are struggling hard to-day to make a go of it, but I am afraid they got too hard a chill to survive. Among these are cotoneasters and Crataegus Pyracantha. Ilex opaca was in some cases stripped of its leaves, but is coming again. Our young trees of Fraxinus Americana, six feet high, were killed to the ground, but these are growing vigorously again. White mulberries were killed down in like manner. Eight or nine inches of the late growth of Liquidambar styraciflua, fifty feet high, was killed and their spring growth exhibited great weakness, but the trees now are doing well. Magnolia glauca and M. acuminata were left uninjured, while M. Lennei and M. purpurea were either cut severely or killed completely.

Should one ask why such terrible havoc was made last winter, in all probability everyone would ascribe it to the extremely cold winter. This would undoubtedly be a correct answer. But while we must all believe that every tree and shrub has its own limit of endurance, one is tempted to ask whether special circumstances do not often produce different results. I was very anxious to plant a large quantity of trees and shrubs last fall and watched very anxiously for the maturity of the season's growth and the fall of the leaf; but it seemed to me that they had quite forgotten the winter was very close after them and that they would be caught in the cold wearing their summer clothing, or rather, with soft instead of matured growth and so ready for whatever might come along. The cold came and the result was they were damaged in the fall to so great an extent that it seemed useless to give the protection that many things require after winter has truly set in, so that I am inclined to believe that the cause for such wholesale damage to trees and shrubs during the past fall and winter was partly due to the condition they were in when the severe cold paid its respects to them. JAMES GURNEY.

Hail in the Carnation Belt.

A destructive hail storm has visited that portion of Pennsylvania called the carnation belt, taking in several towns in the lower part of Chester county. The storm, which was most severe at Kennett Square and Unionville, occurred last Wednesday afternoon, August 2. There was high wind, lightning, rain and such a fall of hail as was never seen before by the oldest inhabitants. Hailstones fell that were said to be as large as hen's eggs and some weighed over two ounces. The greenhouses of Joseph Renard, at Unionville, were ruined, the loss being over 5,000 panes of glass.

Thousands of dollars worth of glass was broken in and about Kennett Square. William Swayne lost 3,200 panes. H. & W. Hicks, however, whose houses are a few hundred yards farther north on the same street, were hit but lightly. William Davis, a grape grower on west State street, suffered hundreds of dollars of loss, having his cold grapery crushed and the fall crop of fruit damaged, besides the breakage of about 3,000 lights of glass. The small conservatory at his residence was completely riddled. Opposite to Mr. Davis' property are several carnation houses owned by Edward Swayne, of Wawassett, which are wrecked, and those of Joseph Chambers, at the same place, are also much injured. Charles S. Swayne's handsome plant, "The Slope," which occupies a fine site at Garfield and Linden streets, was practically stripped of glass, fully four-fifths of it crashing before the pelting hail. Isaac Larkin also lost 1000 or 1100 panes, as did Yeatman Brothers, nearby. Charles

B. Harvey and Monroe D. Palmer also lost heavily, the former estimating that 3,000 lights were broken, and the latter's loss is still heavier.

Thompson Brothers, in the valley in New Garden township, say it will require 150 boxes of glass to refit their houses, and Lewis Eastburn, in the same locality, sustained an equally heavy breakage. Chas. Chambers' loss was light.

About the same time a similar storm, but not so severe, caused considerable damage at Burlington and Edgewater Park in New Jersey. L. R. Hancock, of Burlington, was hard hit, while Lukens, of the same place, lost but 150 lights. At Atkinson's, in Edgewater park, about twenty per cent of the glass was broken.

The amount of hail insurance was small, so that the loss will be severe. K.

Some Representative Detroit Stores.

The e are several very fine retail flower stores in Detroit, stores which would be a credit to any city and to any owner. From among the number we have selected three as representative and present herewith reproductions of photographs which give a fair idea of the general excellence of the retail establishments of the city.

J. F. SULLIVAN'S.

Woodward avenue is the leading street in Detroit and Sullivan's is the principal store on the avenue. The trade here is a steady stream and in volume is five times what Mr. Sullivan is able to grow in his nine greenhouses just outside of town. Palms and ferns are shown in the rear of the store and meet with considerable sale. Mrs. Sullivan is in charge of the store and few there are who are closer to their customers or who can execute a wedding or funeral order more deftly.

BRUNO SCHROETER'S.

B. Schroeter has grown grey in the florist business in Detroit. His store at 59 Miami avenue is a model of the type opposed to the gorged effect produced by the crowding seen in many retailers' places. Everything is in the best of taste and high class work appeals to the better kind of patrons. Charles Schroeter is a considerable factor in the success of the store. Mr. Schroeter has 15,000 feet of glass out on Elmwood avenue and grows some cut flowers and most of the plants which are handled in the down town establishment and which are shown in the illustration.

BREITMEYER & SONS'.

Our illustration affords a glimpse from the Breitmeyer conservatories into the retail store at chrysanthemum time. This is a store, standing at the busy corner of Gratiot and Miami avenue, with its glass for plants and decorative stock, which will seldom be found excelled in many larger cities. It will be taken for granted that such a place enjoys a liberal patronage and in point of fact Philip Breitmeyer is able to sell more stock here than his brothers can grow under 100,000 feet of glass at Mt. Clemens. That the appointments and methods are thoroughly up-to-date will be the consensus of opinion when the florists visit the store during convention week.

SOUTHPORT, CONN.—At the invitation of Nellis H. Sherwood the Connecticut Pomological Society spent Wednesday, August 2, at his Sound View Farm. The farm contains many acres of fruits and vegetables besides extensive greenhouses. A picnic dinner was served.

CARNATIONS.

WORK WITH CHEMICAL FERTILIZERS.

With most growers the early part of August is the season when the houses are prepared for planting. In this connection it is hardly necessary to point out the necessity of absolute cleanliness in the houses, as the days of slovenly methods in floriculture are fast becoming memories of the past.

The subject of soils will, however, require attention; it is a subject on which there seems always to be a little room for more knowledge. At the last meeting of the American Carnation Society, Prof. Britton read a paper on "Commercial Fertilizers and Their Relation to Carnations," a resumé of which may not be amiss at this time.

Carnations, as you know, like all other plants, require for their growth and development three chemical substances, nitrogen, potash and phosphoric acid. Many other chemical elements are found in the plants, some essential to growth, and others which are unnecessary, but these less important ingredients are usually present in the soil and scarcely need our attention. The three above mentioned fertilizer ingredients are of the utmost



THE LATE JOHN NELSON. (SEE PAGE 7)

importance and form what has been termed, I believe by Dr. Kedsie, the "chemical tripod of floriculture."

Working on the above basis Prof. Britton and Dr. Jenkins, in order to ascertain the quantities of plant food removed from the soil by carnations, grew the plants in a soil of known chemical composition. The soil employed was as nearly sterile as possible; it contained extremely small quantities of potash and phosphoric acid, but no available nitrogen. A series of experiments with this soil was conducted by the addition of chemical fertilizers in various quantities, but it is only in the successful ones that we are especially interested.

The varieties chosen were Wm. Scott, Alaska and Daybreak and the plants were of good size and as nearly alike as possible when benched October 1. During growth all flower stalks were disbudded, leaving only the terminal bud to open. The blooms were gathered about twice a week and were in about the same condition as carnation flowers usually are when picked for market. The plants were pulled out July 1. Beyond the fact that the plants were benched a full month too late in the season they seem to have been handled about the same as by any commercial grower.

The three plots giving the best crops produced an average of twenty-seven blooms per plant on Daybreak and Alaska, and demonstrated the fact that in order to secure a maximum crop there should be in every 100 square feet of bench space the following plant foods:

Nitrate of soda, 3 pounds, 14 ounces.
Dissolved bone black, 1 pound, 1 ounce.
Muriate of potash, 1 pound, 13 ounces.

Two plots were filled with soil made by composting turf with one-third of its bulk of good stable manure. This compost soil did not give as good results as the sterile soil with the ingredients just named added.

The sterile soil used for the experiments was a mixture of coal ashes and peat moss. The experiment was made of adding the fertilizer in small quantities, making three or four applications during the season, but no benefit was derived from this fractional fertilization and those plots that received the entire amount before the plants were set gave the best yield.

Where fertilizer chemicals were added to an already rich compost, as a rule the yield was not increased. In experiments with tomatoes and lettuce the yield has always been considerably less than from the compost alone.

For many years it has been known that soils contain bacteria which transform the nitrogen contained in animal or vegetable matter into nitrates, a form which can be readily taken up and assimilated by plants. These organisms are called nitrifying bacteria. Their effect upon soils has led us to recommend well decomposed manure for use about the roots of plants because there is more nitrogen present if the organic matter has been broken up. More recently, however, it has been established that there is another form of organism found in many soils which, instead of causing nitrates to be formed, break up these nitrates and dissipate the free nitrogen into the air, so that unless we have some knowledge of the microbic life of the soil we cannot tell the amount of nitrogen our soil may contain.

From a series of experiments Prof. Britton established the fact that fresh manures contain an unusual number of these denitrifying germs and are therefore not so valuable as a fertilizer. He also demonstrated the fact that it is better to keep the compost in shallow heaps and stir or handle it frequently and, if possible, have it under cover. The experiments also led them to believe that it would be dangerous to water with liquid fertilizer made from fresh stable manure on account of the great number of denitrifying organisms present.

Prof. Britton sums up their experiments by saying: "The carnation does not seem to require an abundance of humus or vegetable matter in the soil, so that while we must be sure that plenty of plant food is in reach of our plants, we must not over-fertilize them. Over-fertilization, in the first place, tends to produce a small root system. We want our plants to have good root systems. Over-feeding causes a rapid decay of the root hairs through which the food is taken into the plants from the soil. These root hairs are quickly replaced by new ones, which, in turn, decay and no roots are sent out into the soil to increase the system. A plant with such a small root system may make a good top growth for a time, but it usually reaches a point

where the roots cannot take up moisture as fast as it transpires from the foliage. Then the plant wilts."

"It is best to use a complete fertilizer, that is, one containing nitrogen, phosphoric acid and potash. See to it that these are all present. The quantities to be applied can only be determined by direct experiment. Soils differ so greatly in their texture and composition that the proper application for any given soil or compost might not be an economical dressing for any other soil and, again, carnations, like men, have racial characteristics and some varieties will need more food than others."

Perhaps there is no one thing we growers need more than a better knowledge of our soils and fertilizers and, while it would not be wise to experiment on large plots, it would be the part of wisdom for every grower to read these extracts carefully and make some experiments in a small way along the lines suggested so as to determine just what his own soil needs in order to produce the best results.

If Prof. Britton could get thirty single-stemmed, marketable flowers to the plant from Daybreak that were planted in a mixture of coal ashes and peat moss with chemicals, then we who make a business of carnation growing ought to get even better results and a small section of our place set apart for some experiments might be a paying investment, but do not forget that many a carnation crop has been partially ruined by chemical fertilizers and use your regular cultural method for all but a few of your plants so that losses will not fall heavily.

ALBERT M. HERR.

WITH THE GROWERS.

GEORGE A. RACKHAM, DETROIT, MICH.

Cerise Queen is the favorite with this careful grower, whose place is the model of neatness, and as an evidence of the foothold this variety is gaining he points to the fact that this spring he was able to sell every cutting he could make his plants produce, and even then the demand was not satisfied. He thinks the cheerful color to be the strong point with the sort but finds it a prolific bloomer.



SCHROETER'S STORE, DETROIT, MICH.

The varieties which Mr. Rackham will bench this fall will be principally Wm. Scott, Victor, Mme. Diaz Albertini, Cerise Queen, Flora Hill, White Cloud, Alaska, Genesee and Holznagle's White Daybreak, with lesser quantities of G. H. Crane, Evanston, Melba and The Marquis. Alaska is his favorite white. Daybreak he does not grow because he cannot get perfect flowers, nearly every bloom coming one-sided. However, Jas. Taylor, who started a year ago at Mt. Clemens with three houses, grows Daybreak to perfection and gets a good price for it.

Mr. Rackham will drop Mayor Pingree because the Detroit market is not good for a price sufficiently high to make this sort profitable. Jubilee will also be discarded because it is not prolific enough to make the returns equal the same space devoted to other sorts. Evelina will go because it bursts too badly in winter, Mr. Rackham cutting hardly a perfect flower before July. Mrs. Bradt will not be grown because his customers call for self colors.

Everything is grown in solid beds, there not being a bench on the place. In one house a test is being made of sub-irrigation. There are two beds in the house, each 4x50. They were planted in mid-June with standard sorts of chrysanthemums; already there is a difference apparent in the stock, not so much in growth as in the color of the foliage, that on the sub irrigated bed being a deeper green. This bed was prepared by laying the brick walls to the usual height and filling in to within about seven inches of the top with ashes, upon which a perfectly level cement floor was laid. Then the whole bottom of the bed was filled with rows of 2½-inch tiles tightly joined, leaving four inches for soil. An elbow was turned up at one end and through this the tiles were filled with water at the time of planting the bed. The water had all soaked into the soil at July 15 but at that date the soil was soft and easily penetrated, there being a noticeable difference in this respect between the two beds, the other having been given usual surface waterings. The total cost of this 200 square feet of sub-irrigated bed was $28, the tile costing $17.50 a thousand and 500 being used. When the chrysanthemums are cut both beds will be planted to carnations.

Mr. Rackham is growing the incurved varieties of chrysanthemums, having found that they ship better than the reflexed sorts. He makes no effort at specimen blooms, preferring to grow three 5-cent flowers to a plant to one 15-cent flower, the former being always sure of a sale while the latter is not.



SULLIVAN'S STORE DETROIT, MICH.

TABOR, N. J.—M. P. Florin has bought the place of F. Welscheck and would like to receive catalogues as he proposes to restock.

New York.

TRADE VERY DULL.—GOOD STOCK RATHER SCARCE.—EVERY ORDER CREATES A STIR.—HARRISII BRING A GOOD PRICE.—MOST ROSES POOR.—KAISERIN, TESTOUT AND METEOR THE LEADERS.

It is quiet enough to be tiresome in and about the flower trade centers, both wholesale and retail. We read of more favored localities where the summer trade is accounted an item of no small importance to flower growers and wholesalers but it would take a miraculously keen eye to discern anything in this neighborhood at present worthy of the name of summer trade. When one of the local retailers is fortunate enough to be the recipient of a steamer order, a funeral order or some other little variation from the prevailing solitude he is apt to make a little stir for the moment for he is sure to want something that nobody has and must try every wholesaler in town, or if it be something that can be readily obtained he thinks it equally his duty to go to every wholesaler before deciding who shall have the favor of the order and the cheapest man gets it finally, of course. The stock in market is about the same as last week; asters a little more abundant, Harrisii lilies scarce and worth a good price when obtainable and the general stock rather inferior in quality all through the list. Roses are either mildewed or are cut from young plants and consequently undersized in flower and stem, with the exception of a few lots of stock from special summer houses that are in excellent form. Of such are the Kaiserins at Thos. Young's that come from Jersey City. There are also a few good lots of Testout and Meteor seen that are decidedly creditable to their growers.

W. F. Sheridan and wife have gone to Port Jervis for a rest.

Visitor in town: W. R. Smith, of Washington, en route to Scotland.

Philadelphia.

VERY VALUABLE PAPER ON THE PLANTING AND CARE OF TREES PRESENTED AT THE CLUB MEETING.—TRANSPORTATION DETAILS NOT YET ARRANGED.—BUSINESS FAIR.—RICE & CO. HAVE REMOVED.—GREAT FUTURE IN THE PLANT BUSINESS.—OTHER MATTERS.

The August club meeting was fairly well attended but more should have been present to hear the very instructive paper on the care of trees in cities, prepared and read by the city forester, John C. Lewis. He was listened to very attentively and received the unanimous thanks of the club. The paper contained very valuable information on many points relating to selection, planting and after care of trees as well as a list of the kinds most suitable for street planting in Philadelphia. The essay committee is to be congratulated for its happy thought. The reports of the various convention committees were listened to with interest. Mr. Westcott, chairman of the transportation committee, said that only one thing was definitely settled and that was that the fare would be $19 for the round trip. The committee had not been able to close with the railroad but would in a day or two, when all the members would be notified. Three gentlemen were elected to membership; we are growing gradually but surely, scarcely a meeting passes of late that new members are not elected.

The subject for discussion in September is "What was done at the convention." John Walker is to do the telling.



BREITMEYER'S STORE, DETROIT, MICH.

There is a fair business in the stores for the season and the stock offered is improving as the summer rose houses are beginning to bear on the strong shoots. Jacob Becker is carrying some very nice La France. Robert Craig & Son have fine Kaiserin and so have Robert Scott & Son, whose assortment includes good Carnots. Beauties are very poor, but a little better than a week ago and will probably improve from now on. Asters are coming in good shape and sell well. Prices range as follows: Teas $3 to $4; Beauties $4 to $8; carnations 50 cents to 75 cents; valley $3 to $4; asters 50 cents to $1.50 per hundred.

Robert Craig says it is a great state of affairs when men come to the city as prospective buyers and go about the various plant establishments and see practically nothing for sale. The stock is there, lots of it, but growers don't want to sell until after the summer growth is finished. There is plenty of room for more houses and a great future for the business.

M. Rice & Co. are now doing business at their new stand, 918 Filbert street, having moved everything from their Fourth street factory to this building, where they occupy the entire five floors and basement. Everything is modern and up to date, steam heat, electric light, telephones on all floors and an elevator. All the floors are flooded with light from front and rear and altogether Messrs. Rice and Eschner are to be congratulated on their move. Mr. Rice, who has worked very hard for the past two months, has gone on a trip by sea to Prince Edwards Island, where he will recuperate and hopes to come back much refreshed.

J. G. Heinle was in town the past week visiting Willow Grove Park, which he says is the finest commercial public park he has ever seen, either in this country or Europe. John Bader, of Allegheny, was also a visitor. K.

Boston.

STATE OF THE MARKET.—VERY ERRATIC DEMAND.—FINE KAISERINS.—STRIKE OF TELEGRAPH MESSENGERS CAUSES ANNOYANCE.—MEDALS FOR DIPLADENIAS AND A CATTLEYA.—THE MORTUARY RECORD.—CATERPILLARS ON THE COMMON.

Wholesalers assert that the summer trade up to date is somewhat disappointing. There are unexpected calls for large quantities of material quite frequently but these demands are so irregular and so apt to be for goods that are not to be obtained at short notice that they bring more confusion and trouble than they do profit. Magnificent Kaiserins are available in quantity and there is a fair supply of Carnots and Meteors, both of which are considered good for a profitable summer run but oftener than not they have to resort to the street boys to find a sale and this is decidedly discouraging when the stock is as good as it is at present. Carnations are not coming in to any

extent but are not missed in the present abundance of asters which, however, are, as a rule, of interior quality. The situation at best is not up to the hopes of the wholesalers, and just now the conditions are made more annoying by the strike of the telegraph messenger boys who thrash any boy caught carrying a despatch to or from a telegraph office. One of Welch Bros.' boys was roughly handled on Monday while on such an errand and his message torn to shreds.

At last Saturday's exhibition by the Massachusetts Horticultural Society George McWilliam once more dazzled the eyes of the visitors with several of his seedling dipladenias and was awarded a silver medal for one named Mrs. George McWilliam, an Appleton medal for one named Geo. M. Whitin and a bronze medal for one named Miss Lois H. Whitin. Hicks Arnold received a silver medal for Cattleya Hardyana. Phloxes from W. N. Craig, Geo. Hollis and J. L. Gardner, sweet peas from E. C. Lewis and perennials from Rea Bros. were all good.

Henry Ross, superintendent of Newton Cemetery died July 27, aged 77 years. He has been superintendent for thirty-eight years and no better monument can he have than the beautiful grounds that show his skill and devotion. He was a member of the Massachusetts Horticultural Society and a true exponent always of the best in horticulture. Many friends will miss him.

Dr. M. W. Pray, of Malden, died on July 28, aged 72. Dr. Pray was a dentist but years ago he, like many others not florists, built greenhouses and raised Bon Silenes and smilax for the Boston market. A truer hearted, nobler-souled man would be hard to find and many a florist who was the recipient of his kindliness will endorse this.

Boston Common and adjoining areas are suffering from an overwhelming invasion of caterpillars that are doing great injury to the maples, elms and lindens.

Visitors in town: W. J. Vesey, Fort Wayne, Ind.; Walter Mott, Philadelphia, Pa.; Ernst Lundberg and Sigurd Carlquist, Lenox, Mass.

Chicago.

BUSINESS ON THE DECLINE.—ONLY DEMAND IS FOR STOCK TO FILL FUNERAL ORDERS.—PLENTY OF GOOD SUMMER FLOWERS.—FAKIRS ARE FIXED.—CONVENTION TALK.—CARNATION PLANTING PROGRESSING.—KIDWELLS BUILD A STORE.—WATER TANKS AND WATCH ARE LOST.—NUMEROUS VACATION NOTES.

There has been a great change in the business situation in the past ten days. The first three weeks of July were good but then trade began to slide; for the last week its been on the toboggan. Monday was a good day for shipping orders but the rest of the week has been dull, very dull. The retailers are buying very little in the wholesale market and claim to lose money on everything not sold before it is bought. There is, however, some good stock coming in; Weinhoeber has been paying 5 cents for Reinberg's best Kaiserins and glad to get them. There are a plenty of 3-cent roses and too many of the 40-cents-a-hundred kind. The carnation cut is right "between hay and grass." The indoor blooms are becoming fewer every day and the cut in the fields is increasing day by day. There are some pretty good flowers coming from each source but not in any quantity. There are asters, sweet peas, gladioli and other summer flowers to supply the street men. One fakir bought 550 bunches of peas for $2 the other day and a friend of his turned 316 bunches of asters that cost him a nickel each. Golden rod has made its appearance.

Recent advices are to the effect that a party of about fifteen from St. Paul and the northwest will arrive Monday, August 14, to join the Chicago conventionites via the Wabash. J. T. Temple, of Davenport, Ia., and O. L. Baird, of Dixon, Ill., will be with us. The Milwaukee party will also go on the Chicago train.

If the assessor's figures are to be believed Peter Reinberg is one of those who have prospered greatly during the year. Besides an increase on his real estate the assessor placed the value of his personal property at $7,500 as against $3,500 in 1898; but then everyone's assessment is being raised this year.

There is a new deal on for the fakirs. Since last March they have been permitted but one in a block on State street; from August 1 any curbstone man can get the police permit by paying the city $10 a month and first securing the consent of the merchant whose curb he is to occupy.

Among those who do not bowl who have declared their intention of attending the convention are Ernst Weinhoeber, Emil Buettner, O. P. Bassett, W. L. Palinsky, F. F. Benthey, Jas. Hartshorne, Peter Reinberg, Geo. Reinberg, J. B. Deamud, and Mrs. Deamud.

Reinberg Bros. are planting some of their carnation houses. The work was begun August 1 and the varieties thus far housed are the new sorts. Their plants in the field are nearly all ready for benching.

J. F. Kidwell & Bro. are building a new, well appointed and commodius store on Wentworth avenue adjoining their old stand at 3810. W. H. Kidwell has been east for two or three weeks.

The Hinsdale Rose Company sustained a loss of several hundred dollars a few nights since in the wrecking of a windmill and two water tanks each of 600 barrels capacity.

Nic. Wietor mourns the loss of a fine watch, presented to him by his wife. He left his vest hanging in the toilet room and a sneak thief found it.

George Asmus left Thursday for a visit at his old home in Buffalo. He is planing to meet the Chicago party in Detroit on August 15.

J. A. Budlong and Bert have been at Lake Buelah, Wis., this week. Mr. Budlong senior made the trip awheel.

Charles Balluff and wife left last Saturday for a two week's outing at Oshkosh, Green Bay and other Wisconsin points.

Charles Hughes, of the Illinois Cut Flower Co., has enjoyed a vacation at his old home, Hillsdale, Mich.

Andrew Miller, of the Central Floral Co., is on his annual vacation to Denver and the Colorado mountain resorts.

Swain Nelson & Sons, are rebuilding one greenhouse, 16x60, on Paulina street, for miscellaneous plants.

Andrew McAdams and daughter are on vacation at Mackinac Island, Mich.

Henry Wietor is at Manistee and will visit other Michigan resorts.

W. A. Peterson has returned from his outing at Lake Geneva.

Miss Nelda Wolf, cashier at Budlong's, has been ill two weeks.

A. L. Randall is rusticating at St. Joe, Mich.

C. S. Stewart is biking.

Recent visitors: F. Schmeling, Milwaukee; C. Chapin, Lincoln, Neb; Frederic Cranefield, Madison, Wis.; E. G. Reimers, Louisville, Ky.

Detroit.

CONVENTION ENTHUSIASM GROWS APACE.—EVERYONE WANTS TO WORK.—COMMITTEES ARE ACTIVE.—BREITMEYER REPORTS ON EASTERN PROSPECTS.—EXHIBITION SPACE STILL IN DEMAND.—JOTTINGS.

The regular meeting of the Detroit Florists' Club, August 2, was more largely attended than any meeting in our history; every one was enthusiastic and anxious for more work to be assigned them in connection with the convention. The entertainment committee has completed the program and there will be no time outside of business sessions without something interesting and amusing to the great number of visitors we are assured will be present. The reception committee has been, and will be, busy. All trains and boats will be met and S. A. F. members will be located in the different hotels without confusion or trouble. The decorating committee, of which Wm. Dilger is chairman, promises something unique and elaborate in both the exhibition hall and the auditorium where the business sessions will be held. Outside the entrance to the hall there will be erected an electric arch of over forty feet span, made more beautiful by the liberal use of flags, palms and bunting and suitably inscribed.

Philip Breitmeyer, president of the local club and vice-president of the S. A. F., has just returned from a two weeks' trip to eastern cities and reports that everywhere he went he was promised large delegations to the convention and observed an extraordinary interest in the bowling contest.

The exhibition space is well sold out and applications are still coming in, but Supt. Rackham is equal to the emergency and is appropriating the corridors and and other departments of the hall for the accommodation of late comers.

Trade in retail stores is generally good. Carnations are in short supply but the fine asters that are coming in make a good substitute.

G. H. Taepke and wife have returned from a trip on the upper lakes.

NEWTON, MASS.—C. F. Trafton now has the store formerly conducted by Wm. Sillman.

LEBANON, PA.—R. W. Wynings has gone to Stafford Springs, Conn., to take charge of an establishment there.

CARLINVILLE, ILL.—Wm. Beigert, of Beigert & Mueller, has sold his interest to Albert Mueller; consideration $300.

DOYLESTOWN, PA.—Reading Palmer has dissolved partnership with L. H. Clemens and will engage in rose growing.

CHAMPAIGN, ILL.—Fred. Atkinson has succeeded Mr. Uttenweiler as superintendent of horticulture at the Experiment Station of the University of Illinois.

BATAVIA, ILL.—The Williams & Sons Company has been doing an extensive wholesale plant trade, fully up to anything in the previous history of the concern. They are now building one more house.

MANHEIM, PA.—E. P. Hostetter is building four houses, for carnations, violets, mignonette and pansies, each 15x200, and his brother, Abraham Hostetter, is erecting four houses of similar dimensions for carnations and violets.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

A NUMBER of new and promising double violets are noted in the Italian horticultural papers.

VIOLET LA FRANCE is said to be identical in every respect with Princess de Galles except that it is an improvement on that fine variety by having a more compact growth.

ATTENTION is called to the fact that the New York train for Detroit leaves the foot of Cortlandt street at 12 o'clock, noon, Monday, August 14, not August 7, as the types said last week.

DEUTZIA LEMOINEI should be included among the good things to force for Easter. All deutzias for winter and early spring decoration should be potted in August and rested two years after forcing.

Butted Versus Lapped Glass.

I was surprised at the almost uniform condemnation of butted glass in the AMERICAN FLORIST of July 22. In my ignorance I had concluded that the thing had been settled in favor of that method. I can only account for this condition of affairs by the assumption that your glass men do not make good "cuts." You use glass of home manufacture; we use a German make. I have a three-quarter span house 20x100 feet built seven years ago, and one could put all the leak it makes in his eye without injury. The roses produced by John Dunlop, of Toronto, and H. Dale, of Brampton, will compare favorably with those of any other grower, and they are all grown under butted glass.

Woodstock, Ont. ANGUS ROSE.

Hot Water as a Fungicide and Insecticide.

ED. AM. FLORIST:—In your issue of July 22 you note that "Europeans are experimenting with hot water as a fungicide and insecticide." The use of hot water for this purpose was quite common about this city twenty years ago. My recollection is that 130° was our limit. You say Europeans run it to 140°. In this water a little kerosene was poured. Plants in pots were then turned upside down and their tops dipped in the mixture. Just enough kerosene was used that a little adhered to the foliage when drawn out of the tub. Collections of azaleas and miscellaneous greenhouse plants were treated in this way, every plant getting a dip, with no injury to a single plant to my recollection, but with the destruction of all insects of whatever kind. For some time afterwards there would be quite an odor of kerosene about the plants, much to their benefit in keeping away insects and fungus germs.

Philadelphia. JOSEPH MEEHAN.

The American Carnation Society.

In order not to conflict in any manner with the work of the S. A. F., the time of meeting for this society will be announced from the platform on Tuesday morning.

W. P. CRAIG, President.
ALBERT M. HERR, Secretary.

Hotels in Detroit.

	Rooms.	Rates.
Cadillac	200	$3.00 to $3.50 Am.
Russell House	200	3.00 to 3.50 Am.
Griswold	100	2.00 to 3 00
Wayne	150	2.00 to 2.50 Am.
		1 00 to 2.00 Eu.
Normandie	50	2.00 to 2 50 Am.
Barclay	50	1.50 to 2.00 Eu.
Oriental (men)	100	1.00 to 1.50 Eu.
Franklin	100	1.50 Am.
St. Clair		
Metropole		

Milwaukee to Detroit.

Milwaukee members of the S. A. F. will accept the invitation to join the Chicago party and will leave Milwaukee by the C. M. & St. P. R. R. at 7:15 a. m. Monday, August 14, which will give us two hours in Chicago before taking the 12 o'clock train on the Wabash at Polk Street Depot. If a number will meet and take this train together a reduced rate to Chicago can be secured, purchasing our ticket with certificate in Chicago.

C. B. W.

Catalogues and Cut Flower Price Lists Received.

Ellwanger & Barry, Rochester, N. Y., strawberry plants and bulbs; J. M. Thorburn & Co., New York, N. Y., bulbs; Charles D. Ball, Holmesburg, Philadelphia, Pa., palms and decorative plants; E. J. Morton, Tarlton, Tenn., forest and evergreen seeds; Jacques Hasslach, Nimes, France, vegetable seeds; Wm. Baylor Hartland, Ard Cairn, Cork, Ireland, tulips and daffodils; Herb & Wulle, Naples, Italy, bulbs; Ellis & Pollworth, Milwaukee, Wis., cut flowers.

On to Detroit.

The following are the routes to Detroit, so far as determined, of the parties from the principal cities:

From Chicago, Wabash R. R., leaving 12:02 p. m., August 14, arriving at 8:10 p. m.; fare $10.35 round trip.

From New York, Lehigh Valley R. R., leaving 12 noon, August 14, arriving 6:55 a. m., August 15; fare $18 round trip.

From Cleveland, D. & S. Navigation Co.'s night boat, August 14; fare $2.25 round trip, stateroom $1.75 additional.

From Pittsburg, Pennsylvania road to Cleveland and night boat to Detroit, fare $8.50 round trip.

From Boston, Fitchburg R. R., leaving 11 a. m., August 14, arriving at 7 a. m. August 15; fare $22 round trip.

From Buffalo, Wabash R. R., leaving midnight, August 14; fare $7 for round trip.

From St. Louis, Wabash R. R., leaving Sunday night, August 13; fare one and a third.

From Cincinnati, C. H. & D., leaving 7:30 p. m. to Toledo, by boat leaving 8:30 a. m. to Detroit, arriving 12:45 p. m. August 15; fare $9.85 round trip.

From St. Paul, C. G. W. R. R., leaving Minneapolis 7:35 p. m., August 13, St. Paul 8:10 p. m., joining Chicago party via the Wabash.

Greenhouse Building.

Beardstown, Ill.—F. Burtenshaw, one rose house.

Milwaukee, Wis.—Jno. C. Rust, 1308 Second street, two houses.

Parkersburg, W. Va.—J. W. Dudley & Son, carnation house 30x150. G. A. Hiehle, violet house 10x65. G. Obermeyer, two houses 20x60.

Philadelphia, Pa.—Christopher Eryenzinger, greenhouse costing $300. J. Mack greenhouse costing $600.

Tewkesbury, Mass,—Patten & Co., one carnation house, 23x250.

Conshohocken, Pa.—W. S. Harry, one commercial house.

Doylstown, Pa.—Reading Palmer, two commercial houses.

Paterson, N. J.—E. McCornac, rebuilding range.

Ashland, O.—A. C. Lamprecht, six houses.

Water Supply.

ED. AM. FLORIST:—I have greenhouses situated on rising ground. About 350 feet distant and fifteen to twenty feet below the level of greenhouses is a spring, and I wish to know (as I do not care to go to the expense of a windmill this season) whether it will be possible to draw water from the spring by means of a pump placed in the greenhouses. If so, what size of piping should I use? If not, what other course would you advise?

J. M.

There should be no difficulty in drawing water by means of a good hand pump when the elevation is not more than twenty feet, but owing to the friction in the long pipe nothing less than one-inch pipe should be used and one and one-fourth or even one and one-half inch pipe would be desirable, especially if a windmill is to be used later on. L. R. TAFT.

New York to Detroit.

The committee in charge of the transportation for New York and vicinity has made arrangements to go by the celebrated Black Diamond Express, Lehigh Valley railroad, leaving foot of Cortlandt street at 12 o'clock (noon) on Monday, August 14, reaching Detroit the next morning at 6:55 o'clock.

The beautiful scenery of the renowned Lehigh and Susquehanna valleys by daylight in a special car will, we feel sure, induce many to go who otherwise would not.

The rates are one full fare going and one-third fare returning, on the certificate plan, or $13.50 for the fare going and $4.50 for the return; in addition the sleeping car fare from Buffalo to Detroit is $2. Delegates wishing to save themselves trouble may secure tickets both for train and sleeper by remitting $15.50, to John N. May, Summit, New Jersey.

As the New York Florists' Club has decided to invite the S. A. F. to New York in 1900, the members will realize the great importance of having a full delegation at the forthcoming convention.

For the New Jersey delegates who may prefer to board the train en route, it stops at Newark at 12:08 p. m., South Plainfield at 12.51 p. m. and South Bethlehem at 2:06 p. m.

It is particularly requested that delegates notify Mr. May of their intention of going in good time, as otherwise it may be difficult to secure sleeper accommodations.

W. J. STEWART,
P. O'MARA,
JOHN N. MAY, } Committee.

Boston to Detroit.

Arrangements have been made whereby those who so desire may travel together on special buffet sleeping car from Boston. The train selected is the "Continental Limited," leaving Boston 11 a. m. Monday, August 14, due in Detroit Tuesday at 7 a. m. The route is via Fitchburg R. R. to Rotterdam Junction, West Shore to Utica, New York Central to Buffalo and Wabash R. R. to Detroit. Connecting train leaves Worcester at 11:45 a. m. Monday. It is expected that the members from central New York points will arrange to connect with the Boston party. The fare is one and one-third full rate for round trip from all points, which makes the Boston rate $22, exclusive of sleeping car berths. Meals will be provided for all passengers on the Boston car without charge. Stop-over allowed at Niagara Falls both going and coming. Those who intend to go with the Boston party are requested to communicate with Wm. J. Stewart at once as the car is filling up fast.

Japanese Lilies.

ED. AM. FLORIST:—Can Japan lilies that have blossomed in pots this season be transferred to the open ground now with safety, and will they give satisfactory results another season? D.

Japanese lilies can be easily planted out for the remainder of the year and will probably do far better than if kept in the pots. If it is desired to have them in pots again next year, lift as soon as the frost has killed the stems and repot in good fresh material, placing the pots for the winter in a cellar where frost is excluded, and they will make strong roots and can be brought up to bloom as soon as shoots are started in spring. L. auratum is an exception, as it rarely does well more than one year. If left in the open ground for the winter, a light mulch of dry leaves is desirable, with a few boards to keep them in place, or evergreen branches if boards would be unsightly. It is surprising how much frost a protection of this kind will exclude, with the help of the snow.

E. O. ORPET.

Changing Arrangement of Pipes.

ED. AM. FLORIST:—The piping of my greenhouses is of cast iron and four inches in diameter. The top of the boiler is four feet six inches below the base of the expansion tank. The pipes run underneath the benches 114 feet up grade to tank, thence 190 down grade to bottom of boiler. In building an addition to my houses a change in the piping is necessary, and I wish to know whether it will do to so change the present piping so as to run it all, 304 feet, up grade to the tank, then drop vertically to the bottom of the boiler? If I were to raise the tank two feet, would it help the circulation. INQUIRER.

If any change is to be made, it would be far better to place the expansion tank at the end of the house nearest the heater and, after elevating that end of the pipe as much as possible, run the pipe down hill around the house and back to the boiler. While a circulation could be secured if the pipes are arranged as proposed it is not advisable to have the radiating pipes, or returns, as they are often called, run up-hill. Little will be gained by raising the expansion tank two feet, but it is a good plan to do away with the old-fashioned cast-iron tank, and, after putting in continuous piping, connect the highest point of the system with a galvanized iron tank elevated ten or fifteen feet. L. R. TAFT.

RIDGEWOOD, N. J.—A. V. D. Snyder is rebuilding his entire range of glass and will add a new even span house 18x100. He will install a new system of hot water heating.

OBITUARY.

JAMES GALLOWAY.

This pioneer florist of Baltimore, Md., died July 23.

WILLIAM M'MILLAN.

William McMillan, widely known as the superintendent of the park system of Essex county, New Jersey, and who had many friends in the trade, died of paralysis Monday, July 31.

JOHN NELSON.

The veteran Oshkosh, Wis., florist died July 13, from consumption resulting from an attack of the grippe last winter. He was born August 2, 1843, in Denmark, coming to this country at the outbreak of the civil war and enlisting in the Federal army, in which he served valiantly until Appomattox. At the end of the war he established himself at Oshkosh as a florist and gardener and had built up an extensive business. He was a man of sterling character and had many friends. He leaves a widow, two sons and two daughters, who will continue the business. At the funeral W. H. Ellis, of Milwaukee; C. Reinecke, of Green Bay, and E. Haentze, of Fon du Lac, served among the pall-bearers.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—Carnation specialist is looking for position on good commercial establishment Good references. W H D. care Am. Florist.

SITUATION WANTED—By gardener; first-class grower of roses, carnations and 'mums; 9 years' experience. Al references P G. care Am. Florist.

SITUATION WANTED—A thoroughly competent man in all departments desires a position as foreman; private place preferred. Highest references. A B C, care American Florist.

SITUATION WANTED—By practical florist of 15 years' experience in this country; good grower of cut flowers and plants; competent to take charge. No situation wanted where vegetables are grown or only one man is employed. Single German; references. Address W. care American Florist.

WANTED—A second-hand hard coal boiler to heat four houses 20x110. S. WEIPENBACH, 551 Hinman Ave., South Evanston, Ill.

WANTED—Young man to assist in greenhouse work; will pay good wages with board. Address, stating wages expected. Box 913, Peoria, Ill.

WANTED—A good all-around florist, an active and reliable man; wages, $25 per month and board. German preferred O R. DEMMLER, Eau Claire, Wis.

WANTED—Good second-hand hot water boiler, capable of heating two or three houses about 20x30 feet. Must be in good condition. State make, price, etc. Also want about 400 feet of 3-inch wrought iron. W. H WRIGHT, Vicksburg, Miss.

WANTED—First-class grower of roses and carnations—none other need apply. State wages wanted, age and send reference as to ability. Permanent position for the right man. Address F. FRANCIS, Winnipeg Manitoba, Canada.

WANTED—A young man as assistant on commercial place (German preferred) Only those meaning business need apply State wages expected with board and lodging. Give references and experience. WACHENDORF BROS., Atlanta, Ga.

WANTED—A middle-aged lady to assist in a retail greenhouse, one who has had some experience; steady employment if agreeable and satisfactory. Good references given and required. Write, stating wages expected with board. ILLINOIS. care American Florist.

WANTED—A good all-around man who thoroughly understands the growing of roses, carnations, violets, 'mums, palms and ferns. Must be steady and sober; steady work; $25 to $30 per month and board. Single man preferred. Address, with references, WM KRUMM & SONS, St Joseph, Mo.

WANTED AT ONCE—Foreman and propagator, to take charge of greenhouses and grow for the retail mull trade. Must be well posted in the rapid summer propagation of roses, etc. A permanent position for the right man. State experience and salary, with references. Address L. TEMPLIN & SONS. Calla, Ohio.

FOR SALE OR RENT—4 greenhouses and dwelling; good retail stand. A CLAUS. Springfield, Ill.

FOR SALE—Fifty houses 12x16 A glass single thick; also 1750 feet 1¼ inch steam pipe Address W. C. GROVES, Topeka, Kan.

FOR SALE OR RENT—Dwelling and greenhouse, 4,000 feet of glass, also 3 acres celery garden; good town; no competition Low terms. Address U N, care American Florist, Chicago.

FOR SALE—Two greenhouses and dwelling; good retail stand; stock fresh and up to date. Established ten years; all rebuilt new of cypress. Reason for selling, poor health. VICKERY, Pawnee City, Neb.

FOR SALE—Big opportunity for little cash. Florist or lettuce grower with $1000 to invest can double his money in one season by buying my business, 6,000 feet of glass; cheap fuel; good market. Good thing. Address X L, care American Florist.

TO LET—Six miles from Boston Flower Market: Four commercial greenhouses and garden close to depot at Central Station, Mass., on West Roxbury branch R R. Rent $15. Key at depot or address owner, A. PIGUET, 96 Ellery St., Cambridge, Mass.

FOR SALE AT A BARGAIN—Ten greenhouses, dwelling house, barn, shed, steam heat, horse, wagons, sled, everything to do business with, one-half block land, 15 blocks from business center. at $7,000, in town of 60,000 inhabitants. Reason for selling, widow. MRS. GEO. WALDBAUER, 1317 N. Michigan Ave., Saginaw City, Mich.

For Sale or Rent: An establishment of 20,000 ft. of glass, with 6 lots 25x125 each, including dwelling, barn, shed, horse, wagon, etc. At present growing vegetables, but will be suitable for florist establishment. **WM. KRUEGER** 813 & Halsted Sts. Chicago.

RARE BARGAIN.

One of the best chances in the country—Greenhouse plant consisting of nearly 14,000 feet of glass, situated in city of 60,000 inhabitants, newly built and doing a first-class business; fully stocked and everything complete. Price $3000, including stock, fixtures, tools, etc. Steam heat. Those meaning business, address

RARE BARGAIN, care American Florist.

For Sale.

350 feet 4-inch cast iron pipe, two 4-inch valves, expansion tank with three holes and other fittings, all in first-class order. Most of pipe in long lengths, 10 and 15 iron joints. The whole complete f. o. b. here for $50.00.....

500 feet 4-inch heavy steam pipe, various lengths, in good condition, at $25.00 per 100 feet.

Critchell's,

B. P. CRITCHELL, Mgr. 110 E. 4th St. Cincinnati, O.

NOTICE.

The Annual Meeting of the Members of the Florists' Hall Association will be held at Harmonie Hall, Detroit, Mich., on August 15th, 1899, at 2:30 P. M., for the purpose of electing two Directors and transacting necessary business.

JOHN G. ESLER, Sec'y.

NOTICE

—OF—

STOCKHOLDERS' MEETING.

CHICAGO, July 15, 1899.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Cadillac Hotel, Detroit Mich., Thursday, August 17, 1899, at 3 o'clock P. M. for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

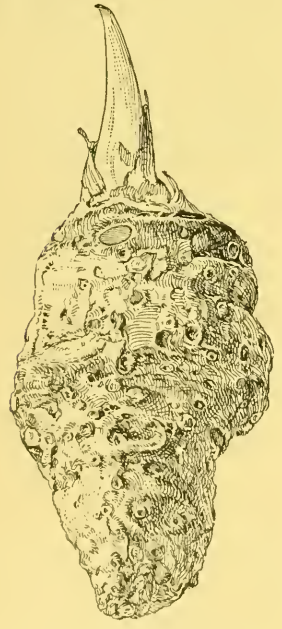
New Orleans.

ANNUAL MEETING OF HORTICULTURAL SOCIETY.—REPORT ON THE GULF EXCURSION.—ELECTION OF OFFICERS.—PAPWORTH PREPARES TO START FOR DETROIT.

The annual meeting of the New Orleans Horticultural Society was held Saturday evening, July 22, and report was made of our trip to Grand Isle. The affair was a perfect success, even better than the excursion of last year. There was boating, fishing, sport of all kinds, dancing and music. Most notable of the terpsichorean events was the Indian war dance executed on the beach and the cake walk on the boat, the prizes being awarded to T. A. Shalk and M. M. Lapouyade. New officers were elected as follows: President, Emile Valdejo; vice-president, C. R. Panther; secretary, Dan. Newsham; treasurer, John Eblen.

Harry Papworth is preparing to go to Detroit to attend the S. A. F. convention and make a display from his fine collection of specimen palms. M. M. L.

BUTTE, MONT.—Plans are being made for a flower show here in the fall.



CALIFORNIA

Calla Bulbs

Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.

	Doz.	100
FIRST SIZE, 1¼ to 1¾-in. in diam.	$.75	$5.00
SELECT, about 1¼ to 1¾-in. in diam	1.25	7.00
EXTRA SELECT, about 2 to 2½-in. diam.	1.50	9.00

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WHOLESALE FLORISTS,

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Wholesale Flower Markets

CINCINNATI, Aug. 3.

Roses, Bride, Bridesmaid	2 00@ 3.00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3 00
Carnations	.75@ 1.00
Sweet Peas	.25
Gladiolus	3.00@ 4 00
Tuberoses	4 00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Aug. 3.

Roses, Beauty	4 00@20.00
" Bride, Bridesmaid, Meteor	2.00@ 4.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1 50
Smilax	12.50
Adiantum	1.00
Asparagus	50.00@75.00
Sweet Peas	.25

MILWAUKEE, Aug. 3.

Roses, Beauty, long, per doz.	2.00@ 3 00
" " medium " "	1 25@ 1.50
" " short " "	.75@ 1.00
" Bride, Bridesmaid	2 00@ 4.00
" Perle	2 00@ 3.00
" Meteor	3.00@ 5.00
" Kaiserin	3.00@ 5 00
Carnations, fancy	1.50
" good stock	.50@ 1 00
Gladiolus	4.00@ 5 00
Sweet Peas	.10@ .15
Harrisii	8 10
Auratum	12 50@15 00
Asters	.50@ 1.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	12.50@15.00
Asparagus	60.00

PITTSBURG, Aug. 3.

Roses, Beauty	5.00@25 00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	4 00@ 8.00
" Niphetos, Perle	2.00@ 4.00
Carnations, short stems	50
" long "	.75@ 1.50
Lily of the valley	3 00@ 4 00
Smilax	15 00
Adiantum	.75@ 1 00
Hardy ferns	.25
Galax leaves	30
Asparagus	40.00@50.00
Sweet Peas	.20@ .50
Asters	75@ 2 00
Gladioli	2.00@ 6.00
Lilies Speciosum	4.00@ 6.00

ROSES
CARNATIONS
VALLEY
FERNS
GALAX and IVY LEAVES
and all kinds of Seasonable Flowers in Stock.



We get daily new customers because we have the reputation that all orders are punctually filled.

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☞Consignments of good stock solicited.

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First-class accommodations and quick service. Rate one and one-third fare, on certificate plan, making round trip rate from

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CYPRIPEDIUM INSIGNE in all sizes up to 14-inch pans.
CŒLOGYNE CRISTATA in all sizes.
AZALEAS, half specimens and specimens, from 4 feet to 10 feet high.
ASPARAGUS PLUMOSUS, two and three years, extra strong, in 4 and 5-in. pots.
Double White PRIMULAS, in 3 and 4-in. pots, ready in September and October.

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Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

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Growers of Cut Flowers

800,000 FEET OF GLASS.

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Give us a trial and convince yourself.

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Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

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Wholesale Flower Markets

CHICAGO, Aug. 4.

Roses, Beauty,	24 inch		2.50
" "	20 "		2.00
" "	15 "		1.50
" "	12 "		1.25
" "	8 "		1.00
" Bride		3.00@	4.00
" Bridesmaid		3.00@	4.00
" Perle		2.00@	3.00
" Meteor		3.00@	4.00
Carnations		1.00@	1.50
Sweet Peas		.10@	.50
Cornflowers			.50
Water Lilies			1.00
Gladioli		1.00@	4.00
Asters		.50@	2.00
Mignonette		1.00@	2.00
Hydrangeas	per dozen	1.00	
Golden Rod			1.00
Adiantum		.50@	1.00
Common ferns			.15
Fancy Ferns			.20
Smilax		10 00@	15.00
Asparagus			50.00

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

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IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

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Asparagus Plumosus Nanus.

Strings 10 feet long,

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are right you can make a profit on an advertisement here.

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" " extra	4.00@ 5.00
" Beauty, extra	8.00@12.50
" " firsts	6.00@ 8.00
" " seconds	2.00@ 5.00
Carnations	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet Peas	.15@ .25
Asparagus	.35 0@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00

BOSTON, Aug. 2.

Roses, Beauty, select	15.00@25.00
" " ordinary	2.00@ 5.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 3.00
Asters	.50@ 1.00
Sweet Peas	.10@ .25
Pink Pond Lilies	4.00@ 6.00
Gladioli	1.00@ 6.00
Smilax	8.00@10.00
Asparagus	50.00
Adiantum	.50@ 1.00

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Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

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Top Grade

BEAUTIES, BRIDES. BRIDESMAIDS.

LILY OF THE VALLEY and METEORS, for summer shipments.

Extra Carnations.

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404-412 E. 34th St. Near Ferry.

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The American Florist Company's..

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY

324 Dearborn St., CHICAGO, ILL.

HALF TONES

ZINC ETCHINGS

WOOD CUTS

ELECTROTYPES

J. MANZ & CO.

195-207 Canal St., - - - CHICAGO.

HIGH GRADE WORK.

PROMPT SERVICE.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 2.

Roses, Beauty select	10.00@25.00
" " ordinary	2.00@ 6.00
" Bridesmaid, Bride, Morgan	.50@ 2.00
" Kaiserin, Meteor	2.00@ 6.00
Carnations	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 3.00
Harrisii lilies	6.00@ 8.00
Auratum lilies	3.00@ 6.00
Gladioli	1.50@ 2.00
Sweet Peas, per hundred bunches	2.00@ 3.00
Asters, " " "	4.00@ 6.00
Cattleyas	40.00@50.00
Smilax	5.00@ 8.00
Asparagus	25.00
Adiantum	.50

BUFFALO, Aug 3.

Roses, Beauty	3.00@25.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1.00
" fancies	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Auratums	8.00@12.50
Asters	.50@ 1.50
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00
Sweet Peas per bunch	.02@ .06
Gladiolus	2.00@ 4.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

Edw. C. Horan, WHOLESALE FflorisT.

47 West 28th Street, NEW YORK.

New Telephone No 421 Madison Square.

CAN FILL YOUR ORDERS FOR FINE

BEAUTIES, BRIDESMAIDS, BRIDES and CARNATIONS.

Write for Price List. Notice New Number.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES SWEET PEAS LILIES

JULIUS LANG

53 WEST 30th STREET NEW YORK

CARNATIONS Tel. 280 Madison Sq

Mention the American Florist.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street,

112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

M. A. HART,

Commission DEALER IN Cut Flowers,

44 WEST 29TH STREET, NEW YORK CITY.

THE BEST MARKET IN NEW YORK.

'Phone 325 Madison Square.

Ford Bros...

Wholesale Florists

111 West 30th Street, NEW YORK.

Consignments Solicited. 'Phone, 157 Madison Sq.

Galax Leaves

For Summer Use in Cold Storage.....

Write the INTRODUCER.

HARLAN P. KELSEY,

1106 Tremont Bldg., BOSTON, MASS.

Mention American Florist.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED CHICAGO: L. L. Olds, of Clinton, Wis.

BACON & HAMILTON will open a wholesale seed store at Bristol, Tenn.

THE Cape Vincent Seed Co., 182 Duane street, New York, has certified to an increase of capital stock from $20,000 to $60,000.

THE onion seed crops in the Santa Clara valley are reported to be looking poorly and have been considerably affected by blight during the last half of July.

H. W. BUCKBEE, with May C. Buckbee and T. E. Buckbee are named as the incorporators of the Rockford Seed Farms, Rockford, Ill. Capital stock, $25,000.

COLUMBUS, OHIO.—A. W. Livingston's Sons are building a fine two-story office fronting on Long street and connecting in the rear with their wholesale and retail departments. Robert Livingston will probably attend the S. A. F. convention at Detroit.

Does Frost Injure Seeds?

Through the agency of liquid air, it has been demonstrated that the seeds of common plants like cucumbers, wheat, squash, and so on, will germinate almost as well as ever after being submitted to a cold of 300° below zero. Lord Kelvin, in discussing the origin of life on this planet, once suggested that the first seeds may have been brought here through the cold of interstellar space in a meteor, although he didn't explain how the seed could find its way into the meteor in the first place.

St. Louis.

ON TO THE CONVENTION.—GOOD PARTY ASSURED.—THE ROUTE CHOSEN.—CLUB MEETING AND ELECTION.

We expect from fifteen to twenty from St. Louis to attend the convention at Detroit. We have chosen the Wabash Railroad and will pay one and one-third fare. We expect to leave Sunday evening, August 13. J. W. Kunz is chairman of the transportation committee and all who intend to go to the convention will do well to notify him as soon as possible.

All members are earnestly requested to attend the next regular club meeting which will be held at Odd Fellow's Hall No. 2, August 10, at 3 p. m. Election of officers for the ensuing year and other business of importance will be brought before this meeting. S. E.

Pittsburg.

A DULL MARKET.—BUILDING OPERATIONS.—VACATIONERS GO TO ATLANTIC CITY.—PENNSYLVANIA ROUTE TO CLEVELAND CHOSEN BY CONVENTION PARTY.

Business continues featureless. With the exception of an occasional wedding decoration or funeral order nothing is being done. Good roses and carnations are still scarce; there are fine asters coming in and they find a more ready sale than formerly.

Mrs. E. A. Williams is rebuilding six houses 22x150. Five will be devoted to roses, carnations and other cut flowers while the sixth will be used for palms and decorative plants. She is using 16x24 glass. More space will be used for cut flowers and less for bedding plants than formerly.

A. M. & J. B. Murdock have erected two new greenhouses, one 21x150, which is planted to roses, the other 10x150, for small palms and ferns. They are using one-inch iron pipe for the rests and supports of the benches. The face boards are held in place by a small casting and the bottom is laid without being nailed down, making it strong and durable.

J. B. Murdoch has gone to Atlantic City. He will return on August 14. in time to join the party going to Detroit. E. C. Rineman and family are also off for Atlantic City and will be absent for ten days.

It has been decided that our convention party will go by the Pennsylvania road to Cleveland where we take the boat.

Charles T. Siebert and his family had returned home from a drive when the horse started and ran over a twenty-five-foot embankment. Part of the buggy was found about half a mile from the house, while the remainder was found next day in Highland Park, about three miles from the place of the accident. No one was hurt but the horse was somewhat bruised. G. O.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its regular meeting on Thursday evening, July 27. The date of the fall show was fixed as November 10 and 11 and the executive committee was instructed to select judges forthwith. The preliminary schedule has been issued but, as funds continue to come in, the present amount of prize money will be considerably increased and probably a few extra prizes will be added. John Fotheringham and Philip Hamilton, Tarrytown, were elected to membership. John H. Corneth and Jeremiah Herett were proposed. The secretary read a letter from the Westchester County Gardeners' Association inviting the members to accompany them to the nurseries of Henry A. Dreer, Riverton, N. J., on the occassion of their annual outing on August 9 and several signified their intention of accepting. This is another instance which goes to show that the gardener is in love with his vocation. This is to be a day's outing, a day of pleasure, a day of good fellowship, yet a day of business instruction.

JAS. T. SCOTT.

LAFAYETTE, IND.—Prof. J. C. Arthur is slightly ill.

AVON, MASS.—Dooley Bros., of Randolph, have bought the greenhouse owned by Hiram Blanchard.

WATERBURY, CONN.—The New York Floral Company has opened a new flower store at 118 South Main street.

WOONSOCKET, R. I.—Walter S. Hogg's residence, 54 Congdon street, was entered July 20, while the family was absent, and a sum of money stolen.

NEW WHATCOM, WASH.—G. Gilman Barker has purchased the establishment and business of F. J. Pettibone and reports things looking up in the northwest.

POTTSVILLE, PA.—Carl E. Taube, who sometime ago went out of business here, has bought the plant of the Mercer Floral Co. at Trenton, N. J., where he will have about 40,000 feet of glass under which to grow cut flowers.

GOUVERNEUR, N. Y.—Henry Neener has sold his greenhouses to Green & Underhill, Watertown, and will enter their employ.

MILWAUKEE.—W. H. Ellis, formerly of the firm of Ellis & Pollworth, is now a traveling representative of the Northwestern Mutual Life Insurance Co.



True Lorillard Forcing Tomato

Specially saved for my trade by the originator, Mr. Jno. Gardner. Trade pkts. 15c, 25c and 50c free by mail. Bulk price on application.

Sutton's Best of All Forcing Tomato

Large, round, deep scarlet, very prolific. Our own specially selected stock. Trade pkts. 15c, 40c and 75c. Bulk price on application. Stamps accepted for small amounts.

GEORGE C. WATSON,

Seedsman....

Juniper and Walnut Streets.

BULBS. RAFFIA. MUSHROOM SPAWN. **PHILADELPHIA.**

NOTICE.

Notice is hereby given that the co-partnership lately existing between A. W. Smith, Jr., and Fred Stokes, of Pittsburg, Pa., under the firm name of the International Growers' Exchange, was dissolved on the first day of August, 1899.

All debts owing to the said firm are to be received by the said A. W. Smith, Jr., and all demands on the said partnership are to be presented to him for payment.

A. W. SMITH, JR.

Pittsburg, Pa., Aug. 2, 1899.



FREESIAS...

Very choice well cured bulbs of **TRUE REFRACTA ALBA** from our own grower. Yellow flowers have been carefully ronged out of the stock.

Per 1000

CHOICE SIZE..... $7.50

FIRST QUALITY..... $6.50

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St.

NEW YORK: 14 Barclay St.

TO THE AMERICAN FLORISTS' CONVENTION VIA THE WABASH.

The Railroads have granted a fare and one-third to the meeting of the American Florists to be held in Detroit, August 15th to 18th. The direct and popular line to Detroit from Chicago is the Wabash road. We have the following trains:

Leave Chicago 12:02 noon; arrive Detroit 8:10 p. m.
Leave Chicago 3:15 p. m.; arrive Detroit 10:45 p. m.
Leave Chicago 11:00 p. m.; arrive Detroit 8:00 a. m.

Wagner Sleepers and free reclining chair cars on all our trains. It is the only line operating compartment sleeping cars between Chicago and Detroit. For full particulars, sleeping car reservations, etc., call at Wabash Ticket Office, 97 Adams St., or write to F. A. PALMER, Asst. Gen. Pass. Agt., 310 Marquette Bldg., Chicago.

Before Thursday Noon...

ADVERTISEMENTS for the annual Convention Number of the American Florist should reach this office before noon on Thursday, August 10.

The Detroit Number will eclipse all previous special issues of the American Florist both in the value of its special features, its typographical excellence, its circulation and its business bringing power.

The Advertising rates for this issue will not be increased. $1 will buy an inch, $10 will buy a column and $30 will buy a page. Send advertisement now in order to make certain of good position and display.

You'd Better Hustle.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE hedge fence is a harbor for San Jose scale.

C. C. ELWELL will embark in the nursery business at Waterloo, N. Y.

A. E. WINDSOR, Havana, Ill., shipped five or six car loads of Osage orange to Canada each year before the exclusion act shut off his market.

E. F. STEPHENS, Crete, Neb., and Peter Youngers, Jr., of Geneva, were speakers at the recent meeting of the Nebraska State Horticultural Society.

ORLANDO HARRISON says that nurserymen who wish to test fumigation with cyanide need not go to the expense of constructing a house for the purpose but can make the trial upon the occasion of the shipment of stock in a refrigerator car.

PRESIDENT N. W. HALE, of the Southern Nurserymen's Association, enumerates as some of the advantages of the south for a nursery business that the period of growth is long, deliveries can be made from October 15 to April 15 and packing houses are a convenience, not an essential.

Cleveland.

TRADE CONSISTS PRINCIPALLY OF FUNERAL WORK.—BATE BROTHERS BUY HOUSES AND STOCK.—WAMELINKS LEASE TO THE STANLEYS.

Business continues along at the usual midsummer pace. Patrons and patronized are alike out of town so far as circumstances will allow, and nothing goes on save the everlasting funeral work. Flowers are of quantities, qualities and varieties noted in earlier issues and prices have not changed.

Bate Bros., who for two years have operated the place built by G. W. Heiser, have bought the houses and stock. It is understood that they have a year to get the houses off the grounds.

The establishment of Wamelink Bros. has also changed hands, to a certain extent, at least. The Stanley brothers, one of whom has been foreman with James Eadie, have leased the establishment for a term of years. Both the brothers are skilled rose growers, being graduates of the Oil City establishment and having come to Cleveland originally to run the place they have now leased.

J. Austin Shaw has been here, coming from Detroit, and told many wondertul tales of doings past and to come relating to the impending convention in that ancient town. A.

Hartford, Conn.

First the drought inflicted great damage upon the sweet peas and then, when it came the days for the annual show of the Connecticul Horticultural Society, it rained continuously. In view of the adverse conditions the displays and attendance were both fair. W. T. Hutchins sent a big display, but not for competition, accompanied by a note which said that the blooms were the sum total of the achievements of his vines this year. As usual W. J. Eldred was a prominent figure but his blooms showed the effect of the season. Elizabeth Park and W. G. Henderson were other prize winners and Mrs. J. Kopperberg was the leader for the Burpee prizes. Rev. Hutchins was unable to be present because of illness.

Baltimore.

TRADE DULL AND SUPPLY VARIABLE.—LACK OF SPECIMEN CHRYSANTHEMUM PLANTS.—MAYOR OF ANNAPOLIS TO GO TO DETROIT.—THE ANNUAL OUTING.

There is the usual midsummer stagnation in both cut flower and plant trade. What business does make its appearance, mostly funeral work, seeming to come in little flashes and generally on the days when, from some cause or other, suitable flowers are scarce. Seeing a lot of fairly good roses and carnations going begging one day, a retailer was tempted to take a large order at a low figure the next and not only lost time and car fare in a desperate chase after elusive stocks of suitable flowers, but had to put up a disappointing and discreditable lot of work with odds and ends gathered from all over town.

Interest in the proposed chrysanthemum show seems rather languid. The hot weather may have something to do with it and the prospective prize winners may be lying low, to lull competitors into over-confidence; but, whatever the cause, plants well started for specimens do not seem as plentiful as they should be.

The convention at Detroit will probably be honored by the presence of the mayor of our capital city, Annapolis, E. A. Seidiwitz, who has made a wonderful start in politics.

The annual outing of the club took place at Electric Park August 2. As Mr. Seybold was chairman of the committee in charge, nothing but a really enjoyable time was to have been expected.

MACK.

Omaha.

Omaha will have a team of six of her best howlers and two substitutes at the Detroit convention. J. F. Wilcox will be our captain. We will leave Omaha either August 12 or 13 in order to have some time in Chicago, joining the party from that city for the latter part of the journey. We have invited the Denver delegation to join us here.

Louis Henderson, B. Haas, Paul Floth, Paul Paulson and W. J. Hesser of Plattsmouth, have made good displays at the Greater American Exposition. J. J. H.

For Sale.
400 strong roots of Adiantums in pots.....

Wanted.
A plant of Dipladenia Boliviensis.
C. B. WHITNALL, Milwaukee, Wis.

LAXTON'S "LADDER," the greatest forcing.... **STRAWBERRY**
of the age. Plant strong, short stems and sets freely. Fruit immense, well shaped, highly flavored. Inquire of....
A. T. GOLDSBOROUGH, Wesley Heights, WASHINGTON, D. C.

NURSERYMEN....
IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.



CYPRIPEDIUM
Spectabile and Pubescens
Fine healthy plants; can ship any time; now or in September preferably. Must be ordered now; single crowns or large natural clumps, as desired. The trade supplied in any quantity.
Large assortment of Nursery Stock for fall shipment.
EVERGREEN NURSERY CO.,
STURGEON BAY, WIS.
Former address, Evergreen, Wis.

HEADQUARTERS FOR
HARDY ROSES.
We are now booking orders for Roses in large lots at **REDUCED PRICES.** Write for particulars.....
W. & T. SMITH CO., Geneva, N. Y.

Field Grown Roses We are Headquarters for them.
Two year old. On their own roots. Northern grown. Bench-rooted. Full assortment.
Special low contract offers for Fall or Spring delivery.
JACKSON & PERKINS CO., Newark, N. Y.
WHOLESALE ONLY.
J. AUSTIN SHAW, Western Representative, 78 Wabash Avenue, CHICAGO.

HOME OF CHOICE TREES and Hardy Plants.
SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.
NEW INTRODUCTIONS OF HARDY PERENNIALS.
NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. ☞ Catalogue free.

HARDY SHRUBS.
Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.
SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS ...A... SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

SCALE LAWS.
All legislation to date, Federal, Canadian and nineteen States, affecting florist and nursery stock, importations, etc. Compiled in pamphlet form.
Postpaid, 25 cents.
THE NATIONAL NURSERYMAN PUBLISHING CO.,
ROCHESTER, N. Y.
When writing mention the American Florist.

It is good business policy to mention the
...AMERICAN FLORIST.
when you write to an advertiser.



Choicest Fruit and Ornamental Trees.
Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free.
THE STORRS & HARRISON CO., Painesville, O.

ESTABLISHED 1802

THORBURN'S SEEDS

Wholesale Price List
—OF—
BULBS
—AND—
FLORISTS' FLOWER SEEDS,
Ready and mailed on application.....

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

PALM Seed.

FRESH ON HAND

	100	1000	3000
Asparagus Sprengerii..	$1.00	$6.00	$15.00
Corypha australis.....	.75	5.00	13.50
Phœnix canariensis....	.50	3.50	12.00
" reclinata.....	.75	5.00	13.50
Chamærops humilis robusta	.50	4.00	
Livistona rotundifolia.....	2.25	20.00	
Areca lutescens.....	.75	5.00	13.50
Latania borbonica.....	.50	2.50	6.00

J. L. SCHILLER,
....404 East 34th Street, NEW YORK CITY.

PANSIES THE JENNINGS STRAIN

are considered by many florists as the finest American strain to date. Large flowering and most brilliant colors in great variety.

NEW CROP NOW READY.

Finest mixed—pkt., $1.00; ¼ oz., $3.00; 1 oz., $5.00.
Finest white—blue, black and yellow in separate colors, 50 cts. per pkt.
Plants ready in any quantity Sept. 1st, '99.
☞ CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.

BOBBINK & ATKINS,

Representatives of the following European Houses:

The Horticultural Co., Boskoop, Holland. H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs.

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Snoeck Bros., Gendbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

VIOLETS, 'MUMS, ROSES Etc.

M. Louise, Campbell and California Violets, fine plants, $2.50 per 100, $20.00 per 1000.
'Mums, Ivory and other good varieties, same prices.
Roses, Meteors, Maids, Perles, Brides and Souperts, good stock, 3-in., $4.00 per 100; 4-in., $5.00.
Bouvardias, best varieties, $2.50 per 100.

ADDRESS **HENRY SMITH,**
Cor. Monroe & Division Sts., GRAND RAPIDS, MICH.

THE BOSTON FERN A Specialty.

$5.00 per 100; $40.00 per 1000. Orders filled in rotation as ready.
L. H. FOSTER, 45 King St., DORCHESTER, MASS.

VAUGHAN'S PANSIES



Vaughan's "International."

Received the only reward for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you.

Price, per oz., $10.00; ½ oz., $5.00; ¼ oz., $2.50; ⅛ oz., $1.50; trade pkt., 50c.

Vaughan's "Giant Mixture."

This mixture is specially made up by us from all the above separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture.

Price, per oz., $4.00; ¼ oz., $1.00; ⅛ oz., 60c.; trade pkt., 25c.

SPECIAL OFFER. We furnish any five 25c. trade pkts. of Giant Pansies for $1.00.

Vaughan's Premium Pansies Mixed.

Embraces all the varieties of the Fancy German sorts. We have sold this mixture for the past fifteen years and it has given general satisfaction.
Per pkt., 25c.; ⅛ oz., 80c.; ½ oz., $3.00; oz., $5.50.

CHICAGO PARKS BEDDING PANSIES, "Choice Mixed"—in many colors. Pkt., 10c.; ¼ oz., 30c.; oz., $1.00; 4 oz. for $2.00.

14 Barclay Street, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 Randolph St., CHICAGO.

Please Mention American Florist.

Zirngiebel Giant Pansies.

MARKET AND FANCY STRAINS.

Are unexcelled as yet, for size and brilliancy of colors, and are the most popular strains to date. New colors continually added every season.

NEW CROP SEED READY NOW.

Trade packages of either strain, at $1.00 each. Full directions, how to sow and cultivate, with every package.

DENYS ZIRNGIEBEL,
NEEDHAM, MASS.

BEGONIA SOCOTRANA BULBS.

Strong.....$3.00 per doz.
Stronger..... 6.00 per doz.

Now is the time to get them and start them to have them in good shape for Christmas.

B. Socotrana is one of the parents of the celebrated B. Glorie de Lorraine.....

EDWIN LONSDALE,

Money order office, Chestnut Hill, (Sta. H.) Philadelphia, Pa | Wyndmoor, Chestnut Hill, PHILA.

..READY..



Freesia Refracta Alba Bulbs....

SUPERB STOCK.

⅜x½-in. diam....	del'd, 100,	$0.40; 1000, $3.00
½x⅝ "	" "	.60; " 4.75
Large Bermuda Buttercup Oxalis..	" "	1.00; " 7.50
Lil. Harrisii, f. o. b. N. Y.:	5x7.....	per 100, 4.50
" " "	7x9.....	" 9.00
" " "	9x11.....	" 18.00

AUGUST: All French Forcing Bulbs, Callas, Etc.
Address **H. H. BERGER & CO.,**
(Established 1878.) 47 Barclay St., NEW YORK.

SEED. PANSIES. SEED.

Roemer's Superb Prize Pansies, improved strain, new crop, ready now (my own growing). This mixture is saved from the very finest selected plants of all leading novelties; without doubt the finest strain in the market to-day. Mixed, per pkt of 3000 seeds, $1.00; ¼ oz., $1.50; ½ oz., $2.75; 1 oz., $5.00; white, yellow, black and violet blue in separate colors, same price.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of extra fine pansies; plants ready Sept. 15th.

CELERY PLANTS

Field-grown from rich peat beds, sheared and well hardened; W. Plume, S. Blanching, Boston Market, H. H. Dwarf, Giant Pascal, on order of 5000, $2.00 per 1000, express prepaid. Small plants for transplanting, 75 cts. per 1000; 5000 order, 60 cts. per 1000.
☞ Cash with order.

HENRY W. WILLIAMS, 603 Ravine Ave., Peoria, Ill.
For quick shipment address
T. B. LONG, Mgr., East Peoria, Ill.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Bowling at Minneapolis.

The following scores were made July 25 by the Twin City Florists' Bowling Club. E. Nagel carried off the medal with Monson very close:

Name.	1st.	2d.	3d.	4th.	5th.	Av.
E. Nagel	153	150	165	174	148	158
J. Monson	167	149	146	197	130	156
Hoppy		149	150	137		145
Ed Swahn	125	145	140	136	139	137
J. Hartman	140	136	149	118	132	135
T. Lyons	114	140	132	152	120	131
Fred. Burt		100	95	126		107

N.

At Milwaukee.

The following is the score made after the club meeting on Friday evening, July 28:

Name.	1st.	2d.	3d.	Av.
C. C. Pollworth	158	198	138	165
V. Hunkel	160	126	128	138
Wm. Edlefsen	104	176	124	135
F. Bolton	138	96	157	130
N. Zweifel	113	112	115	113
A. Mathers	119	105	101	108
A. Klokner	88	98	94	93
W. Zimmers	73	105	89	89
M. Reitz	57	92	85	78
Wm. Kennedy	79	47	92	73

C. C. P.

A Set of Balls.

The Crawford, McGregor & Canby Co., of Dayton, Ohio, manufacturers of bowling supplies, offer to the team making the highest score in one game in the Detroit tournament six of their regulation bowling balls made of the best lignum vitæ and bored as per order of each player of the winning team. This is a grand chance to get just the ball you want, so get together, boys, pull together and get a ball to suit you and with which you will continue to win glory for your club. K.

At New York.

The bowling alleys at Fifty-seventh street and Sixth avenue were the scene of a high old time last Monday afternoon, a three-cornered contest, in fact, between the New York Florists' Club, who were at home, the Flatbush Bowling Club, who were three miles from home, and the New York Gardeners' Society, who, when their antagonists got through with them, were a hundred miles away from nowhere. The return match will be played on Thursday night and will be a thing of the past when this gets into print. Monday's scores were as follows:

NEW YORK FLORISTS.

Roehrs	124	125
Plumb	129	119
Traendly	135	156
Bunyard	113	93
May	159	72
O'Mara	180	154
	840	719

FLATBUSH.

Mellis	105	146
Raynor	161	128
Schmutz	127	129
Zeller	105	136
Riley	146	157
E. Dailledouze	107	147
	750	832

NEW YORK GARDENERS.

Butterbach	131	83
Bartholomae	135	162
Withers	116	116
Donlan	102	106
Atkins	118	122
Butterfield	112	94
	741	683

At St. Louis.

The members of the St. Louis Florists' Bowling Club are practicing diligently every Monday evening and expect to send a strong team to Detroit. Following are the scores made July 31:

Name.	1st.	2d.	3d.	Av.
C. C. Sanders	163	169	132	155
C. A. Kuehn	132	131	165	143
Jno. Young		180	100	140
E. Schray	132	169	113	138
J. J. Beneke	141	130	138	136
F. J. Fillmore	151	113	133	132
F. H. Weber		134	129	132
E. W. Guy	109	130	131	123
F. C. Weber		120	117	119
R. F. Tesson	169	125	103	112

S. E.

At Flatbush.

The Flatbush Bowling Club has decided that it will be represented at the great contest in Detroit. In view of this fact the following scores, made on last Thursday evening at the regular club alleys, are interesting.

Name.	1st.	2d.	3d.	Av.
E. Dailledouze	169	175	154	166
Riley	137	146	206	166
Schmutz	108	177	184	156
Mellis	161	159	145	155
A. Zeller	147	149	164	153
Donlan	133	133	107	124
P. Dailledouze	123	156	87	122
H. Dailledouze	146	108	110	121
Papa Zeller	66	101	148	105
Woerner	108	89	129	105

"Dem Phillies."

"I came all the way to Philadelphia to see 'Dem Phillies' bowl, and I tell you that Brown is a dandy and Westcott is not far behind." So said John Bader, of Allegheny, as he witnessed the last match of the tournament that decided who is to represent Philadelphia at Detroit. There were ten men bowling, but from the first only six were in it; the others simply bowled for the substitute positions. Brown, Westcott, Moss, Anderson, Habermehl and Walker will comprise the team, with Kienle and Kift as substitutes. The first of the four matches was rolled under adverse conditions; the other three give a fair estimate of the strength of the team and in these twelve games on three strange alleys the average is 141½ points. An average of 137 won in Omaha and 139 at Providence the year before, and if the alleys selected for this year's tournament are full regulation the average of the winning club will not be very far above 140. While we sympathize with the St. Louis boys for being placed in the "also bowled" class they must not expect us to agree with them in their one, two, three finish as arranged by Mr. Beneke. Mr. Shaw was no doubt poking fun at them; nobody ever takes him seriously. The winners in this contest will be the team that keeps closest to the alleys and goes "up in the air" the least. Serious cases of "rattles" have been known to be developed on occasions of this kind and before the afflicted recovered the prize was lost. Bowling is much like baseball in that strikes often come together as hits do in the national game and a few strikes in succession in the last two frames will sometimes pull out what looked to be an almost impossible victory. Enthusiasm is also a great factor, but offensive rooting indulged in for the purpose of rattling opposing players; should be strictly prohibited.

Our pipe contest is finished and the prize was won by George Moss. It went to the player making the most high games for the week for the past three months. Mr. Moss had four high games, 203, 212, 193 and 207. Brown had three, 211, 182 and 214; Hamilton, two, with 232 and 217; Walker, two, 189 and 188; Westcott, one, with 199; Rust, one, with 211.

The past week there have been some exciting brushes on the alleys; Hamilton moved the record up a few pins; it is now lodged at 238; he also put up 217. If he was only a florist we would take him to Detroit and enter him against that champion of champions, Wm. Scott. George Craig is also getting in it again and put up a 212 score. The associate members are to bowl the newly selected Detroit team on Thursday. It should be what the boys call "hot stuff." The following is the score of the last match game:

Name	1st.	2d.	3d	Total
Westcott	167	146	110	423
Brown	187	177	153	517
Keinle	131	134	129	394
Walker	102	121	127	350
Baker	138	113	96	347
Total	725	691	615	2031

Name	1st.	2d.	3d.	Total
Habermehl	144	121	139	404
Moss	122	140	130	392
Anderson	119	133	162	414
Kift	129	120	142	391
Gibson	127	118	105	350
Total	641	632	678	1951

K.

Big Scores at Chicago.

There were some excellent scores on Anson's alleys, July 28, when the last series of the handicap contest was rolled:

Name.	1st.	2nd.	3d.	4th.	Av.
G. Stollery	159	164	205		176
F. Stollery	207	158	162		174
Geo. Asmus	173	194	212	116	174
Jno. Degnan	144	144	169	155	153
E. F. Winterson	156	147	119	178	150
Phil. Hauswirth	143	173	139	125	145
Chas Balluff	157	109	138	171	144
C. W. McKellar	110	147	125	107	122
J. S. Wilson	117	116	133		122
C. A. Hunt	110	124	122		119
Walter Kreitling	97	118	127	113	114
M. Barker	84	119	101		101

Following is the official score of the twenty-four prize handicap games. Though fifteen members took part only six played the requisite number of games, sixteen, to be considered. The scores of these six were as follows:

	Games.	Total.	Av.
F. Stollery	18	2725	151
G. Stollery	18	2635	146
Jno. Degnan	24	3383	136
P. J. Hauswirth	18	2322	129
A. Henderson	20	2534	126
C. Hunt	21	2559	121

As it happened the handicaps did not affect the result, the two Stollery boys having a walk away without the handicaps. F. Stollery takes first prize, a $5 umbrella, and G. Stollery the second prize, a $2.50 pair of bowling shoes.

The Chicago players are practicing Wednesdays and Fridays now. Following is a summary of the work August 2.

Name.	No. games.	High game.	Av.
Geo. Asmus	2	190	178
Geo. Stollery	7	176	165
Fred. Stollery	7	186	159
John Degnan	9	200	152
E. F. Winterson	11	179	143
P. J. Hauswirth	7	180	142
C. W. McKellar	6	172	140
J. S. Wilson	4	180	139
Alex. Henderson	1	130	130
Walter Kreitling	6	153	127
M. Barker	6	122	101

GROVELAND, MASS.—John Rein lost a watch, a pair of rubber boots and other articles, stolen from the office while he was in the houses after stock to fill an order.

COUNCIL BLUFFS, IA.—Mr. and Mrs. J. F. Wilcox will attend the S. A. F. convention. During their absence their children will visit in Colorado and Mr. and Mrs. Wilcox will join them later in a trip to the Pacific coast.

Some Of Our LEADERS:

Our Famous Wheat Sheaves

Cycas Leaves (both dull and glossy finish.)

NEW CROP LARGE Cape Flowers

Chenille Fancy Baskets



Pot Covers
Plant Stands
Doves
Immortelles
Metals
Etc., Etc.

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CALL, WRITE, WIRE OR 'PHONE. CATALOGUE FOR THE ASKING.

918 Filbert Street, PHILADELPHIA, PA.

BABY PRIMROSE,
12 for $1.50, $10.00 per 100 by mail.

ASPARAGUS SPRENGERI,
25 for $1.50 by mail, $4 per 100, express.

ACALYPHA SANDERI,
12 for $3, 100 for $25 by express.

SWEET-SCENTED CALLA,
12 for $1, 100 for $6 by mail.

New YELLOW CALLA Lemon Giant,
Large bulbs, many eyes, $7.50 for 12.

BEGONIAS, Tuberous, $2.50 per 100.

A. BLANC & CO.,
PHILADELPHIA.

It may be premature to talk

FIELD CARNATIONS!

Nevertheless I wish to remind you that it will pay you to correspond with me if in want of Standards or Novelties. Letters of inquiry cheerfully answered.

S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, IND.

GERANIUM AMERICA

is in full bloom just now; color effect in full sun is of deepest clear rose. Sun proof, you bet; dwarf, yes, very dwarf.

READY NEXT SPRING. **HENRY EICHHOLZ, Florist,** WAYNESBORO, PA.

McKELLAR & WINTERSON,

Fall Bulbs Of All Kinds

Write for quotations on your wants now. Should you not receive our list, notify us and same will be mailed.

FULL LINE OF ALL

Florists' Supplies, Cut Flowers, Etc.

McKELLAR & WINTERSON, 45-47-49 Wabash Ave., CHICAGO, ILL.

CINERARIA	CYCLAMEN	PRIMULA	PANSY
Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.	Large-fl. Splendens. Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.	Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.	Rolker's Giant. $5.00 oz.; ⅛ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 32 Dey St., New York.

CHRYSANTHEMUMS.

Standard varieties nearly sold out. See AMERICAN FLORIST of July 20th for novelties.....

H. WEBER & SONS, Oakland, Md.

CARNATION CUTTINGS

All sold We are booking orders for field-grown stock.

Geo. Hancock & Son, Grand Haven, Mich.

CARNATION Cuttings all sold.
Field-grown stock for fall delivery.
F. DORNER & SONS CO., La Fayette, Ind.

Seedling Carnation Plants

Now too large to mail. Extras added to cover expressage. Price, $4 00 per 100. Two sample plants sent by mail for 10c.

TRY FOR THE $50.00 PRIZE.

American Rose Co., Washington, D. C.
Mention the American Florist.

Crabb & Hunter,
VIOLET SPECIALISTS,

Stock perfectly clean and free from disease; strong, vigorous plants from pots of Marie Louise, Farquhar, Lady Campbell and a few Princess of Wales. Write for prices.

Grand Rapids, Mich.

Worcester, Mass.

There is not much trade; just enough to keep the store men awake and exhaust the supply of flowers. But at the producing end of the business everybody is hustling and no ulsters are needed to keep warm. At H. F. A. Lange's establishment, planting, building and making alterations keep a large force of men busy. Three of the old "gutter" houses have been pulled down and two modern houses will be erected in their places. Butted glass will be used, Belgium 16x16. One violet house has been completed and planted but the roof will not be put on till fall. Mr. Lange is a firm believer in cement walls and is building all of his new houses with cement sides and replacing the old wooden walls with the same as fast as they rot out.

Hugo Book contemplates building two new houses at College Hill, but has not decided yet just what he wants, probably even span 25x250.

Sweet peas have been more or less of a failure in this section and pea fanciers are puzzled to account for it. A. H. L.

New Haven, Conn.

Trade has been very quiet here for the last two weeks with the retailers but the growers seem to have enough to do in making repairs. The violet growers, of which this city has an even dozen, report their plants as looking very good. Carnations are not as good as they should be. Asters are very scarce indeed; those of the Semple variety seem to be affected with some insect in the soil. We are receiving a few Queen of the Market but they are very small. Sweet peas are nearing the end of their season and are coming in rather short-stemmed.

J. B. Hoogkirk, clerk for S. H. Moore, is enjoying a two week's vacation.

Mr. and Mrs. J. N. Champion are spending the summer as usual at the Pequot House, Morris Cove.

Recent visitors were: Chas. Fleming, Bridgeport, Conn.; Wm M. Cottle, Waterbury, Conn.; Geo. B. Whitehead, of Green's Farms. G. H.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

CHICAGO CARNATION CO.
Exclusive Carnation Growers.
Cut Blooms and Rooted Cuttings.
Correspondence Solicited.
GREENHOUSES AND ADDRESS
JOLIET, ILL.

DAYBREAK!
Extra fine, field-grown plants, now ready for delivery—$6.00 per 100.....
JOHN McFARLAND,
NORTH EASTON. - - - MASS.

FERNS. FERNS. FERNS. FERNS. FERNS. FERNS. FERNS. FERNS. FERNS. FERNS.

PALMS.
An Invitation To Visitors To and From the Convention.

WE EXTEND to one and all a cordial invitation to visit the Rose Hill Nurseries and see the grandest and handsomest stock of home-grown PALMS in America in all sizes and of all varieties, also of Ferns, Stove and Greenhouse plants. Before placing your orders, all we ask is, to visit our Nurseries (and you will do the rest).

Trains every hour from Grand Central Depot.

Write, Telephone or Telegraph and our carriage will meet you.

SIEBRECHT & SON,
Telephone 151. NEW ROCHELLE, N. Y.
Everything For the Grower and Retailer.

STOVE AND GREENHOUSE PLANTS STOVE AND GREENHOUSE PLANTS STOVE AND GREENHOUSE PLANTS

NOW IS THE TIME TO BUY
Dahlias for Planting
WE OFFER
Largest and Best COLLECTION in AMERICA. 46 First Prizes.
STORM KING Finest snow white show Dahlia. Large, long stems, extremely profuse bloomer. Strong plants ready, 50c. each; $4.00 per dozen; $25.00 per 100.

SURPLUS STOCK.
We grew an immense stock of the new DECORATIVE CACTUS DAHLIAS. Have a few thousand left, finest named varieties, which we will close out at $4.00 per 100; strong field roots.

☞ Send for new illustrated trade list for 1899 and special low prices on mixed Dahlias and Dahlias under color.
W. P. PEACOCK, ATCO, N. J.

SMILAX.
Extra fine plants out of 4-in. pots. Price, $4.50 per 100; $40.00 per 1000.
WILLIAM SCHWEINFURTH,
RIDGEWOOD, N. J.

FOR SALE.
Palms and Decorative Plants
All sizes, and at all seasons.
P. O. Box 78, A. SCHULTHEIS,
College Point, Queensborough, NEW YORK, N. Y.

GERANIUMS
GERANIUMS for stock, 2½ in. $2.50 per 100.
Rose " " 2½ in. $2 00 "
Asparagus Sprengerii, 2-in. fine $4 "
" Plumosus, 2-in. fine $5 "
CARL HAGENBURGER, West Mentor, O.

CYCLAMENS, PRIMULAS, CINERARIAS.
STRAIN SUPERB.
Cyclamen Persicum Splendens (gig.) finest strain in the world, in four true colors, asst., from 2½-inch pots $4 00 per 100; $35 00 per 1000.
Chinese Primrose (fringed & lilac) in six colors, mixed, from flats, $2 00 per 100; $18 00 per 1000.
Cineraria Hyb. Maxima grandiflora, grandiflora nana, plenissima, coerulea, kermesina nana, from flats, $1.75 per 100, $15 per 1000
SATISFACTION GUARANTEED.
PAUL MADER, East Stroudsburg, Pa.

CASH PALM and FERN SALE.

	Per doz.	Per 100
Latania Borbonica, 2½-in. 1000, $35,		$ 4.00
" " 4½ inch, strong,	$3.00	20.00
" " 5-inch	4.50	32.00
" " 5½-inch	5.00	36.00
" " 6-inch	8.50	64.00
" " 7-inch	11.00	88.00
" " 8-inch	$18- 22.00	145-160.
Kentia Bel. & Fors., fine strong, low stuff, 5-inch	9.00	72.00
" " " 5½-inch	12.00	90.00
" " " 6-inch	$18-24.00	140-185.
" " " 7-in. $3-$4; 8-in. $4-$6 each.		

Adiantum cuneatum, elegant condition, 4½-inch, strong, $3 per doz.; $22 per 100; 5½-inch, $5 per doz.; $35 per 100.
Ficus elastica, 5-inch, $5.50 per doz.; $45 per 100.
Sword Ferns, 3-in. $7, 4-in. $9.50, 5-in. $18 per 100.

ALBERT FUCHS, (Established 1884),
2059-73 N. Halsted St., HICAGO.
Only Chicago florist awarded Medal on Palms at World's Fair, 1893.

STUDER'S OFFER...
in the FLORIST of June 24, page 1399, is still good until stock is exhausted. Make checks, money orders, etc., payable to FRANZ BONFFIE, Manager.
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Nephrolepis... Washingtoniensis.
This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description).
I have the finest stock of well established plants.
3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots ... 18.00
Price for 100 or more on application.
John H. Ley,
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Please mention American Florist.

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ALL SOLD.

We are now booking orders for fall delivery; fine plants from the field. Guaranteed strong, vigorous plants free from disease, of all leading varieties.

WRITE US YOUR WANTS.

ASPARAGUS SPRENGERII, in 3, 4 and 6-in. pots. BABY PRIMROSE, 4-in. pots. DRACÆNA INDIVISA, 5 and 6-in. pots. Liberal discounts for liberal orders. All shipments will be well packed. We will endeavor to please you. Send in your orders early. Write us your wants; we can supply them.

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ROSES

		Per 100
BRIDESMAID	2½-in. pots,	$2.50
"	4-in. pots,	4.00
BRIDE	2½-in. pots,	3.00
"	4 "	5.00
GOLDEN GATE	2½ "	3.00

REINBERG BROS.,

51 Wabash Ave., CHICAGO.

SURPLUS ROSES.

	100.	1000.
Beauty, 3½-in. pots	$7.00	$60.00
Meteor, " "	4.00	35.00
Maids, " "	4.00	35.00
Brides, " "	4.00	35.00

All fine stock—grown for own use. Cash with order from unknown parties.

BRANT & NOE,

FOREST GLEN, - ILL.

Rose Plants.

BRIDES and BRIDESMAIDS, 3-inch, $3.25 per 100; $30.00 per 1000 Strictly first-class.....

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Last Chance.

A few more thousand Brides and Maids, 3 and 3½-in pots; fine plants; will close out at $15 and $20 per 1000.

MORTON GROVE GREENHOUSES,

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..ONLY..

1000 2½-in. BEATUIES
1000 " WOOTTONS
500 2-in. BRIDES
2000 3-in. SMILAX

all at a bargain. WRITE...

GEO. A. KUHL, Pekin, Ill.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices.

Send for prices. Cash with order.

SMILAX, fine young plants, $12.00 per 1000.

THE NATIONAL PLANT CO., Dayton, O.

ROSES

Clean, healthy plants, from 3-inch pots, $5.00 per 100.....

Perle, Meteor, Wootton, Bride, Bridesmaid, Am. Beauty, Pink and White La France.

Plants from 2-in. pots, WOOTTON and PERLE, $2.50 per 100.

ASPIDISTRA, from 4-inch pots.....$10.00 per 100

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There are buyers for all kinds of stock advertised in the American Florist

WE HAVE LEFT THE FOLLOWING

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that are as nice as can be grown in every way, which we are anxious to sell at a very low price to make room.

WE GUARANTEE THEM FIRST CLASS IN EVERY RESPECT.

4000 BEAUTIES,	3-in. pots, at	5c.	2300 BRIDES,	3-in. pots, at	4c.
1400 BRIDESMAIDS,	4 "	5c.	500 BRIDES,	2 "	2c.
2000 BRIDESMAIDS,	3 "	3c.	1600 METEORS,	3 "	3c.
6500 BRIDESMAIDS,	2 "	2c.	500 METEORS,	2 "	2c.
700 BRIDES,	4 "	5c.			

All stock is free from disease, strong and healthy. Shipments to be made from our Greenhouses at Hinsdale, Illinois.

BASSETT & WASHBURN, 78 Wabash Ave., Chicago.

FORCING ROSES

In First-Class Condition for Planting Up.

	Per 100
BRIDES	2½-in. $3.00; 3½-in. $8 00
BRIDESMAIDS	2½-in. 3.00; 3½-in. 8.00
METEORS	2½-in. 3.00; 3½-in. 8.00
PERLES	2½-in. 3.50; 3½-in. 9.00
MRS. E. GARRETT	2½-in. 4.00; 3½-in. 10.00
PAPA GONTIER	2½-in. 4.00; 3½-in. 10.00
SOUV. DE WOOTTON	2½-in. 5.00; 3½-in. 11.00
AMERICAN BEAUTY	3-in. 8.00; 3½-in. 12.00

2-in pots, ready for 3-in. at $2.00 per 100.

An assortment of TEAS and HYBRID TEAS as per recent adv. in this paper.

ACALYPHA SANDERI, ORDER NOW.
Strong, 4-inch..... $20.00 per 100

BABY PRIMROSE (Primula Forbesi).
Strong plants, in bloom, at $1 25 per dozen; $8.00 per 100.

BAY TREES,
In extra fine condition; in Standards and Pyramids, all sizes. Write for prices.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

Greenhouses: WESTERN SPRINGS, ILL.

40,000 FIRST QUALITY FORCING ROSES.

READY FOR IMMEDIATE PLANTING:::::

Fully equal to those sent out the last seven years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

LA FRANCE, AMERICAN BEAUTY, PERSIDENT CARNOT, METEOR, KAISERIN, BRIDESMAID, MERMET, PERLES, MME. HOSTE, BRIDE.

3-inch pots, $8.00 per 100; 4-inch pots, $12.00 per 100.

3-inch pots, $7.00 per 100; 4-inch pots, $10.00 per 100.

A few thousand CRAFTED ROSES of Bridesmaids, Kaiserins and Pres Carnot. 3½-in. pots, $15.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

SUPERB STOCK.

6,000 3-in. BRIDES and MAIDS	per 100,	$5.00
1,000 " METEORS	"	3 50
2½-inch stock	"	2.50

Not leavings, but superior plants which are well worth the money. Write for special low prices on 200 or more.

W. H. GULLETT & SONS, Lincoln, Ill.

ROSES.

BRIDE, BRIDESMAID, PERLE, GOLDEN GATE, WOOTTON, MME. CHATENAY, 3 and 4-inch pots, **$5 00 per 100.**

The above are all good strong stock, fit for immediate planting.

EVENDEN BROS., Williamsport, Pa.

ROSES. ROSES.

Maids, Brides, Wootons and Kaiserins, 3-in., fine stock, $5.00 per 100; $45.00 per 1000.

Maids, Brides, Wootons and Meteors, 2 and 2½-in., $3.00 per 100; $25.00 per 1000.

Robert F. Tesson, West Forest Park, ...ST. LOUIS, MO.

OUR ROSES

are out of sight, big, strong, bushy plants, selected and grown expressly for our own planting; a few thousand to spare from 3½ and 4-in. pots, at $5 per 100—Brides, Meteors, Maids and La France.

Kaiserin, extra select, 3½-in., 6c.

SMILAX, extra strong bushy plants, ready to string right up, at $1 per 100. **LATANIA BORBONICA PALMS** strong, 5-in. pots, $4 doz. Cash with order.

SOUTH SIDE FLORAL CO., Springfield, Ill.

ROSES

Fine forcing Roses for immediate planting, strictly first-class stock from 3-inch pots, at $3.50 per 100.

250 BRIDES, 200 LA FRANCE,
250 BRIDESMAIDS, 150 PERLES.

Also 2000 ASPARAGUS PLUMOSUS, 2½-inch pots, $3.00 per 100.

W. C. BRYFOGLE, Bloomsburg, Pa.

SPECIALTIES

IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

☞ OUR DIRECTORY FOR 1899 WILL BE MAILED TO YOU ☜
☞ PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS. ☜

London, Ont.

TRADE GOOD.—PLANTS SOLD AS NEVER BEFORE.—VISIT TO A SUCCESSFUL CARNATION GROWER.—AFFAIRS WITH THE LONDON FLORAL COMPANY.

Business duriug the spring and early summer season excelled all former years, everything salable being bought up. London has been rightly named the city of homes, as is evidenced by the well kept lawns and flower beds, considerable taste being displayed by both rich and poor.

Wm. Gammage and A. G. Stephens paid a visit to Fred. Dicks and the London Floral Co.'s establishment last week. At the former place a new twenty-five horse power boiler had just been placed in position. A new chimney and sheds are being built, also a fifty-foot addition to the propagating house. Nothing but carnations are grown here. Mr. Dicks is experimenting with inside planting, 500 plants of Eldorado and McGowan being chosen for the trial and at the present time they are very fine.

At the London Floral Co.'s establishment everything is prime. The roses, of which there are five houses, are in excellent condition. One house of adiantum is alone worth a visit. One house of violets, planted inside, is very fine. This establishment consists of 25,000 feet of glass, heated throughout by steam and up to date in every particular. The manager is Ed. Meredith, Jr. Their stock is disposed of at their two stores, one in the city and one at Petrolia. They are about to erect a carnation house 18x120. One disadvantage they have is the lack of a good supply of water, having at times to draw from a long distance, but arrangements are being made to remedy the deficiency. A. G. S.

PRIMROSES NOW READY

	Per 100		Per 100
PRIMULA (Cbinese) ALBA 2¼ in.,	$2.00	FUCHSIAS, 10 varieties, mixed . . . 2¼-in.,	$2 00
" " RUBRA. . "	2.00	HYDRANGEAS, mixed "	3.00
" " fern leaf, mx. "	2.00	ASPARAGUS PLUMOSUS 3½-in.,	7.00
" " mixed. . . . "	2 00	" SPRENGERII "	7.00
" JAPONICA ALBA . . "	2.00	LYCOPODIUM DENT. 2½-in.,	2.00
" FLORIBUNDA, yellow. "	2.00	SMILAX, strong	2.00
" AURICULA, mixed . . "	2.50	" " from flats . . "	.50
CINERARIA HYBRIDS, mixed. . "	2 00	BEGONIAS, flowering, 10 varieties named . .	2.00
PETUNIAS, double fringed, mixed . "	3.00	" " mixed	1.50
" " ruffled, " . "	2.00	200,000 PANSY PLANTS, ready September.	
GERANIUMS, 20 varieties, mixed . "	2.00	5 plants at 100 rates. CASH. no discount.	

....New Pansy Seed.....

	Per oz.	Per lb.		Per oz.	Per lb.
Mitting's Giant Flowering	$4.00	$50.00	Mitting's Giant Yellow	$2.00	$25.00
" " Sky Blue	2.00	25 00	" White	2.00	25 00
" " Purple	2.00	25 00			

50,000 Primroses and Cinerarias ready Aug. 1st

THE MORRIS FLORAL CO., Morris, Ill.

CHINESE PRIMROSES.

Ready for 3-in. pots; well known throughout the U. S. and Canada as the finest large flowering fringed varieties grown. SINGLES, named—$2.50 per 100, $20.00 per 1000; DOUBLES, named, $4.00 per 100, $35.00 per 1000. Extra plants added to help pay the expressage.

PRIMROSE SEED of best 13 varieties, single and double, mixed, 400 seeds, $1; half pkt., 50 cts.

....GIANT PANSY SEED.....

The best of mammoth varieties; no finer ever offered; all the seed plants critically selected; Pkt., 3500 seeds, $1.00; half pkt., 50 cts

A pkt. of the beautiful new Forget-me-not "Jewel" added to every order for seeds.

STRICTLY CASH PRICES.

THE HOME OF PRIMROSES. JOHN F. RUPP, SHIREMANSTOWN, PA.

Vaughan's ROSE GROWER Bone Meal

This is a Special Brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, very light in appearance, and a superb article

Analysis:—Ammonia, 4½ to 5½ per cent Total phosphoric acid, 22 to 25 per cent. Total bone phosphate, 48 to 54 per cent.

PRICE: 5 lbs. 25c; 10 lbs 40c; 25 lbs. 50c; 50 lbs. $1.00; 100 lbs. $2.00; 200 lbs. $3 50; 500 lbs. $8 00; 1000 lbs $15.50; 2000 lbs $30.00.

CHICAGO, Vaughan's Seed Store, 84-86 Randolph St. NEW YORK, 14 Barclay St.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA.

BEGONIAS

Assorted varieties from 2-in. pots.

$2.00 per 100.

EXTRA STRONG.

CASH, PLEASE.

Edward B. Jackson,

STAMFORD, CONN.

PRIMROSE

Per 100.

CHINESE PRIMROSES, single, mixed, 2-in. pots, $2.00
Obconica Grandiflora, 2 in. pots 2.50
" " Rosea. 3.00
Forbesi, "Baby Primrose," 2-in. pots 4.00
ASPARAGUS SPRENGERII, 2½-in. pots 4.00
CINERARIAS, 2-in. pots, Sept. 1 2.00
CARNATIONS, field grown 4.00
PANSY SEED, Benary ne plus ultra. oz., $4.00; none better

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Deleware, O.

HARDY PINKS

HER MAJESTY, SOUV. DE SALE, GERTRUDE, LAURA WILMER, ALBA FIMBRIATA, 2½ inch, $4.00 per hundred.

VIOLETS: Campbell, Russian, California, Luxonné, Princess of Wales, Swanley White, 2½-inch $3.00 per hundred.

The Conard & Jones Co., West Grove, Pa.

CABBAGE, CELERY

Tomato Plants.

Field-grown, 15 cts. per 100; $1.00 per 1000. If by mail add 10 cts. per 100.

Chrysanthemums

In good varieties, from 2½-inch pots, $2.00 per 100. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

Azaleas, Bay Trees, Palms, Araucarias,

stock enormous, quality the finest.

SANDER, Bruges, Belgium.

AGENT: A. DIMMOCK,

60 Vesey Street, - - - NEW YORK.

Orchids!

ARRIVED IN FINE CONDITION. *Cattlea labiata*, C. Mossiæ, C. Speciosissima, C. Harrisoniæ violacea, C. Warneri, C. granulosa. Lælia anceps, L. a. alba, L. autumnalis, L. Prætans, L. Dayana and Burlingtonia fragrans.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

SMILAX.

Strong one year old plants, 2½ and 3-inch pots. $2 50 per 100. $20 a 1000.

Choice New SMILAX SEED, 25c. per oz., $1 per lb.

PAEONIES for fall planting in choice assortment. $10 per 100.

CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

HERR'S PANSIES.

THE SUPERIORITY of my Pansies is due to the fact that I started with a selected strain fifteen years ago and have been carefully selecting and adding to them each season since. Try them and see what I have accomplished.....

PLANTS ONLY.

Free by mail at 75c. per 100, 250 for $1.50; 500 for $2.50. By Express, $4.00 per 1000.

ALBERT M. HERR,

LANCASTER, PA.

SMILAX.

Fine plants out of 2-inch pots, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

CASH WITH ORDER.

CHRYSANTHEMUMS

...For Late Planting...

Very fine stock of recent propagation. Leading standard sorts, including some of the newer varieties. $2.50 per 100, $20.00 per 1000; 250 at 1000 rates, our selection.

NATHAN SMITH & SON, Adrian, Mich.

Successful growers become successful sellers when they advertise in the American Florist.

THE SYPHON REFRIGERATOR FOR FLORISTS.

(PATENTED.)

MANUFACTURED BY **The White Enamel Refrigerator Co.,** ST. PAUL, MINN.

WHITE ENAMEL REFRIGERATOR CO., St. Paul, Minn.

DEAR SIRS:—Since using your ice case in our retail flower department we have saved 30 per cent in the consumption of ice. Our saving in flowers we cannot accurately determine, but should estimate conservatively 25 per cent. Not only this, flowers keep with us as they never did before and retain their salable appearance longer. Your box is certainly a boon to the florists and we predict a wonderful sale on them, especially to the florists, when their qualifications become known.

Yours truly,
L. L. MAY & CO.

ST PAUL, MINN., December 8, 1898.



WHITE ENAMEL REFRIGERATOR CO., St. Paul,

GENTLEMEN:—The flower refrigerator show case which you put up for us two months ago has proved a big money maker to us.

It has given perfect satisfaction and has done everything you claimed for it.

We can regulate the temperature to whatever point we want it, from almost freezing up.

We are thoroughly satisfied with it.

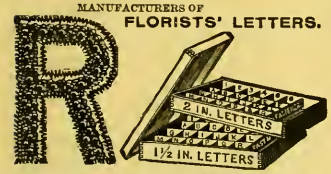
Yours respectfully,
HOLM & OLSON.

ST. PAUL, MINN, December 8, 1898.

THIS REFRIGERATOR WILL BE ON EXHIBITION AT THE CONVENTION HALL IN DETROIT, MICH., AUG. 15th TO 18th. WE INVITE INSPECTION.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1¼ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC.TO N. STEFFENS. AND STEFFENS BROS.

MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,

DAYTON, OHIO.

We've thousands of readers and hundreds of advertisers. Each helps the other.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate			Price per crate
1500 2-in. pots in crate,	$4.85	120	7-in. pots in crate,	$4.20
1500 2¼ " "	5.25	60	8 " "	3.00
1500 2½ " "	6.00	48	9 " "	3.60
1000 3 " "	5.00	48	10 " "	4.80
800 3½ " "	5.80	24	11 " "	3.60
500 4 " "	4.50	24	12 " "	4.80
320 5 " "	4.51	12	14 " "	4.80
144 6 " "	3.16	6	16 " "	4.20

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents
52 DEY STREET, NEW YORK CITY.

FOR SALE CHEAP.

GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

Cincinnati.

STATE OF TRADE.—FLORISTS FIND FLOWERS OF CUBA AT THE WALZ PLACE.—NOTES OF THE VARIETIES. — ON TO DETROIT.—THE CLUB MEETING.

Since my last report there has been very little change in the condition of trade in this city, either in the volume of business done or in the prices obtained. Our storemen report trade of July fairly satisfactory.

A party of florists visited Fred Walz a few days ago and found him busy on funeral work. Of interest about his place is a batch of Cuban plants in which Fred takes a special pride. The seeds were sent through the mail by Sargent John Naegle, who served in Company M. 2d Immunes, which was the first to arrive at the surrender of Santiago. Sergt. Naegle was at one time a Cincinnati florist, and on his return home brought a rare collection of seeds. Mr. Walz sowed his seeds last January and several varieties are now in bloom. The first to attract our attention was a collection of acacias about twelve inches high varying very much in growth and foliage. The largest among them is called Flambango among the natives. The flower is similar in color to Salvia splendens and a tree twenty feet high with a mass of scarlet blooms is said to be a beautiful sight. A collection of abutilons not yet in bloom, show a variation of foliage and differ greatly from those in cultivation here. One variety of ricinus turned the water black by soaking the black seeds over night; the plant is of a compact and dwarf habit. Among the running vines is a fine Gleditschia [?] in bloom now; flower azure blue with yellow throat; should this plant prove to be hardy in our climate, I am sure that the flower loving public will hail it with delight.

The Cincinnati delegation will leave on the C. H. & D. R. R. on August 14, at 9:30 p. m., reaching Toledo the following morning, thence by boat at 8:30 a. m., reaching Detroit at 12:45 p. m. Round trip, $9.85, sleeper extra. Cincinnati should be well represented at this rate.

Next Thursday afternoon, August 10, the regular monthly meeting of the Florists' Society will be held at President Murphy's place. Two wagons will be in waiting at the end of the Elberon avenue car line at 1 o'clock to carry the boys to the carnation belt. Every one invited. H. SCHWARZ.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.

50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

Meyer Green Silkaline for lying bouquets and stringing Smilax and Asparagus. Can also be had in colors to match the natural flower shades. Send for samples and prices.



JOHN C. MEYER & CO., Mfrs. and Wholesalers, 87 Summer St. Boston, Mass.

A. HERRMANN

Manufacturer of **Florists' Supplies**

Send for a price list.

404-406-408-410-412 E. 34th St., NEW YORK



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

Lockland Lumber Co.

Write for Circulars or Estimates.

Lockland, Ohio.

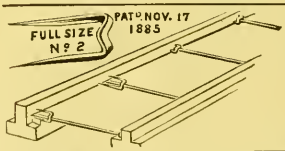
WHEELER-STENZEL CO.

IMPORTERS AND JOBBERS OF

Make your contracts for next season now. We can deliver to any part of the country and Save You Money.....

Greenhouse Glass

72 Sudbury St., BOSTON, MASS.



The VAN REYPER

PERFECT GLAZIERS' POINTS

No rights or lefts. Price per box of 1000 60c.; by mail, 75c.; in lots of 5000 by ex., 55c. per 1000.

HENRY A. DREER,

714 Chestnut Street. PHILA., PA.

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

THE MODEL EXTENSION CARNATION SUPPORT.

The Model Rose Stake. Looped and Pointed.

LANCASTER, PA., June 17, '99.

MR. THERON PARKER, Brooklyn, N. Y.,

Dear Sir:—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as *good plants* with growers when better known. I consider it the best on the market; and if your other specialties are equally as good, they should make another addition to the money makers of 1900.

Respectfully,

ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.

226 North 9th St., BROOKLYN, N. Y.

The Model Plant Stake for Lilies and all Pot Plants.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all polished copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.

STEVENS & CO., 107 Chambers St., N. Y. City

"NICOMITE"!

(PATENT.)

Vapor Insecticide.

NO LABOR REQUIRED. HARMLESS TO BLOOM AND FOLIAGE.

A Certain Killer of RED SPIDER, GREENFLY and Other Insect Pests.

THE TOBACCO WAREHOUSING AND TRADING CO.,

Sold by Seedsmen. LOUISVILLE, KY.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN———CIRCULAR FREE—

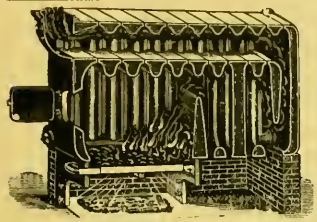
SKABCURA DIP CO. CHICAGO.

Kill and Save the Blooms! Bugs!

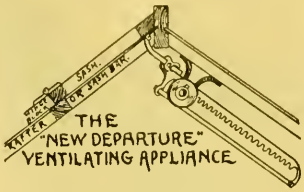
QUICKLY DOES IT.

Do the American Florist a small favor. Mention the paper when writing to advertisers.

A good adv. in a good paper will bring good returns.



AMERICAN CHAMPION BILER.



Best and Cheapest on Arth.



This is mi Picter.

Mister Editur:—A lot ov mi frenz hez axed me ef i woz Kummin to the Florists Konvenshun; U Kin bet yer Suspenders ile be ther if i her tew Sel the baby buggie, But Semantha jane (thas mi wife) Kant Kum Kause She hes gone an got a Nu baby, So ile be at the Kamand ov anny ov the ladie Florist what hant got no body tew take Kare ov. i dont reckon Semuntha el Keer, if she dont find it out, an i no, ul paper chaps dont never menshun sich maters. Yes ile be thair fur i want the Florists tew no me. an when i ante a takin, Keep ov the ladys, ile be glad tew tel emawl about mi Kole Savin Bilers, mi Ventilatin Kontrapshin, an show em mi Hinges, al ov which is the best on arth, if any Florist Kant Kum, there, ile send him mi Kat-a-log, an it wont be Kohard on him. Yours, J. B. Carmody, Evansville Ind., Klose to Posey Kounty



THE EVERLASTIN HINGE.

ARE YOU

Building OR **Repairing?**

MASTICA, $1.00 per gallon.
LIQUID PUTTY, 25-lb. can $1.50, ready to use.
SCOLLAY PUTTY BULB for applying Mastica or Liquid Putty, 85c.
VAN REYPER'S GLAZING POINTS, per 1000 60c, by mail 75c.
GLASS CUTTERS, steel roller, 15c each.
MASTICA GLAZING MACHINE, $1 00 ea

Ellis & Pollworth,
Box 75... MILWAUKEE, WIS.

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
J. G. SWAHN'S SONS, P. O. Box 78. MINNEAPOLIS, MINN.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.



BRANCH WAREHOUSES:
Kearney and Westside Aves., Jersey City, N. J.
Jackson Av. & Pearson St., Long Island City, N. Y.

Standard FLOWER **Pots**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
281h and M Streets N. E. WASHINGTON, D. C.
Mention the American Florist.

Standard Pots Made by
Good Railroad Facilities For shipping.
Special Attention Given to Mail Orders, and Special Sizes Made to Order.
KELLER BROS.
NORRISTOWN, PA.
Price Lists Furnished on Application.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

STANDARD FLOWER POTS

	FIRST QUALITY.		CREAM COLOR.	
1¾ in.,	per 1000..	$2 40	3¼ in., per 1000,	$ 4 95
2 in.,	" ..	2 75	4 in., "	6 20
2½ in.,	" ..	3 35	5 in., "	10 80
3 in.,	" ..	4 70	6 in., "	16 50

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.

Do not hide your light under a bushel. Tell the people what you have for sale.

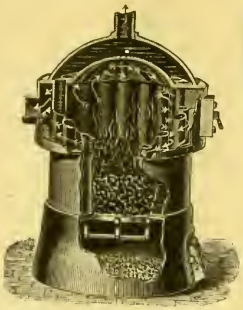
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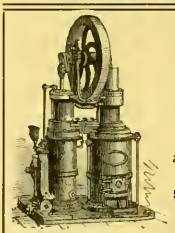
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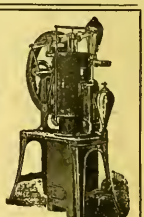
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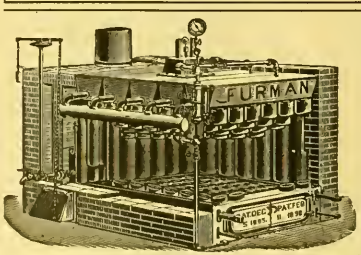
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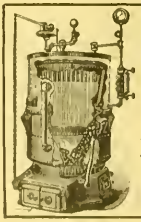
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THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Detroit, Mich., August, 1899. ELMER D. SMITH, Adrian, Mich., Secretary.

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THE FACTORS OF PROGRESS.

Five years ago, reviewing briefly the events and progress during the first ten years of the existence of the Society of American Florists, we attributed the remarkable horticultural development in America during that period largely to the beneficial influence and practical work of this national association. To-day, at the close of another half decade, we can with equal confidence and pride claim for that time a continued steady growth, a creditable industrial and social advancement and an uplifting of our profession toward better ideals and higher honor, in all of which our great national institution has been a potent factor.

As we said five years ago, we can now reassert, that to the fact of the affiliation and co-operation of the best and most eminent men engaged in floricultural pursuits is largely due the great influence and continued prosperity of the Society of American Florists. Recent years have seen occasional outbreaks of unfriendly and often abusive criticism on various lines, but most of this being from obscure sources and clearly intended to injure, it failed of effect and now the voice of the croaker is silent, while within the organization itself the problem of how best to serve the cause of American floriculture and benefit those engaged in it has been manfully faced; every honest suggestion for the good of the cause has been unselfishly considered and that which in the judgment of the society appeared wise has been adopted, so that to-day it stands on a broader and stronger foundation than ever before. From the botanical teacher down to the humblest worker in the garden or greenhouse, all classes and conditions find something helpful in the S. A. F.; even the scoffers are made the unappreciative but willing beneficiaries of its policies, while the character of its membership, its marked freedom from petty intrigues and internal dissensions, the trend of the discussions at its meetings, the enterprise displayed in its exhibitions and the encouragement given there to inventors and progressive men, all speak for its permanency as an organization and point to a future full of increasing usefulness.

The indifference that comes, as the novelty of traveling wears off and widely separated points become familiar after a few years of convention going, is mainly responsible for the decreased attendance at the annual meetings now, as compared with that in the earlier years of the society's existence. But the florist who allows this feeling to influence him and keep him at home when so much of vital interest is going on, depending upon the printed accounts of it all to serve him sufficiently, is making a serious mistake. Nowhere is it more true than in floriculture that "when we go from home we go to school." A convention of the S. A. F. with the opportunities there afforded for personal contact with progressive men, all interested in a common cause, with varied experience in different sections and under different conditions, the facilities for seeing and testing the value of the latest introductions and mechanical appliances, is always worth, to the man ambitious in his calling, more than it costs in time and money.

The programmes of the society's annual meetings as now made up are quite different from those of the earlier conventions and a comparison is interesting as indicative of the methodical precision which the years of experience have gradually brought into the management of the society's business. The growing importance of the exhibition department and the prominence of the "sporting" element in the program are especially noticeable and these two features are gradually but effectively displacing the old "essay and discussion" method, which proved such a strong attraction in the earlier days, when the controversies over steam versus hot water, practical versus scientific education, hail insurance, etc., brought the gladiators of the profession into fierce oratorical combat, yet the contents of the annual reports of the society's proceedings show that the serious problems of to-day are not neglected and that the society is keeping well in the van in all matters pertaining to the present and future welfare of the craft. The possibilities in American bulb growing, the investigation of plant fertilizers, registration of new plants and supervision of nomenclature, and co-operative purchase of materials, which have been taken up in a practical way may be mentioned in illustration. In the way these all-important matters are handled is seen the tendency of the present time to distribute the society's activity over the

entire year and make of the convention a sort of rallying point where results may be compared and new movements put into operation, where the benefits of personal association and interchange of ideas may be enjoyed and the fraternal spirit developed. Once brought together, "some to voice the accumulated knowledge of years, others to receive and acquire wisdom," as the Mayor of Cincinnati aptly said in his address of welcome at the first convention, a body of liberal minded and practical men, such as the majority of the florists of America to day are, may be safely left to make things very interesting.

To the same courageous and self-reliant spirit that made the Society of American Florists a reality, the influential horticultural trade press owes its inception and its successful career. The AMERICAN FLORIST, the pioneer and leader in everything that goes to place such a journal in the foremost position in its class, was born at the first convention of the Society of American Florists, at Cincinnati. The men who thought out the plan and laid so well the foundations of the national society were the same men who gave to the florists of America their first trade paper and these have uninterruptedly to the present time given this journal their earnest support and encouragement. With such friends as these, men of "broad and generous views, big hearts and sound heads," the steady growth of this publication during its fourteen years of existence is no surprise. It has grown, not alone in size, beauty and patronage, but its columns reflect the advance in intelligence, education and refinement which has been going on in the ranks of the workers in horticulture, for which the Society of American Florists and the AMERICAN FLORIST have labored together all these years, and to these agencies more than any other, the credit is jointly due.

A perusal of the early issues of the then bi-weekly paper and comparison with recent issues convinces us that the world, floriculturally, "do move." Diagrams and keys to the planting of formal designs and minute instructions in the "art" of sticking flowers in wire forms seems crude matter as compared with the class of horticultural literature the AMERICAN FLORIST now spreads weekly before its readers and, indeed, the fulfilment of the prediction of an early correspondent that "the time is coming when vulgar imitations of mechanical objects will be no longer tolerated" seems near at hand. But from the first, the material published was the best to be found at the time and we have strenuously endeavored to keep the promise made on the first issue to be "up with the times."

The cuts in our early volumes were all hand-engraved and the now almost universal half-tone process illustrations had not come into use. Our first year saw the introduction of the American Beauty, the next year the Bride, two roses that still stand peerless in their classes. But in the meantime many highly lauded novelties have come to the surface for a brief period, then dropped into obscurity and innumerable projects, visionary or practicable, from the establishment of a horticultural university down to dethorning the rose, have been launched and through the publicity given by the horticultural trade press have had their merits recognized or their uselessness quickly demonstrated. The S. A. F. and the AMERICAN FLORIST have done their part in "letting in the light." Our simple platform as announced in our first lines was "to reach and benefit the florists of North America." That platform we re-affirm to-day.

Forcing Annuals and Perennials.

The first thing to do is to get a stock of plants in the fall, the earlier the better. It is very important that they should be potted up very early in the fall, so that they will make some root growth before the time arrives for storing them away in frames for winter. Any good fibrous compost will suit them and they can be put in boxes, pan or pots. After the plants are potted they should be given a position where they can obtain plenty of light and watered as they require it. Whenever severe weather sets in the plants should be placed in frames where the frost is kept out. The frost does not hurt the plants but when the soil in the pots gets frozen, at the time of removing them from the frames a large percentage of them will be found broken. Any time they are required for forcing they can be removed to a cool greenhouse and forced



THE LATE JAMES GALLOWAY. (PAGE 42.)

gradually. The plants are much easier to force after the days begin to lengthen and they then respond to this artificial treatment in a much shorter time.

There is quite a long list of herbaceous plants that can be forced, but only a few of the best are mentioned in this list. Dicentra spectabilis is very easily forced and is a most beautiful plant, producing racemes two feet or more in length if well grown. The individual flowers are of a rosy crimson color. The foliage is very pleasing, much divided, and has a graceful habit. Arabis albida, the white rock cress, is very easily grown and has pure white flowers which are produced freely. The plants are from six to nine inches high. Astilbe Japonica is well known; the variety grandiflora is the best. Campanula persicifolia alba is a tall handsome perennial and forces well late in the season. Its height is from one to three feet and the flowers are pure white and bell shaped. Primula officinalis and all its varieties are good. P. denticulata is also good and so is P. Japonica, although it comes in later than the others.

Some of the native cypripediums force well, C. spectabile, C. acaule and C. pubescens giving the best results. Polygonatum multiflorum, Solomon's seal, is a very decorative plant and grows from eighteen inches to two feet high; it is very floriferous. The flowers are in long racemes, pendent, white, spotted with green in the throat. It makes a very desirable plant for forcing. Trillium grandiflorum is a native plant that is well known and has beautiful large white flowers. It forces very well Uvularia grandiflora is another native plant with graceful bell-shaped flowers which are produced in large numbers. Aquilegia Canadensis makes an excellent pot plant and is as pretty as a fuchsia when it is in blossom. It ought to sell well as a pot plant in the spring.

There are many annuals that force well if the seeds are sown in the fall and wintered over in boxes in a cold frame and forced gently in the spring in a cool greenhouse. Among the best are Delphinium Ajacis, godetias, clarkias, schizanthus and cheiranthus. Some others treated differently and well known are stocks, mignonette, antirrhinums and sweet peas. Many of the spring bulbs are easily forced, such as Fritillaria meleagris, F. imperialis, Erythronium dens-canis, Camassia esculenta, Chionodoxa Luciliæ, Scilla Sibirica, Muscari botryoides, Brodiæa congesta and Milla uniflora.

ROBERT CAMERON.

Seasonable Notes on New and Old Varieties of Clematis.

The illustration, Fig. 1, shows a two year vine of Clematis Jackmanni planted in its present location two years ago. Fig. 2 illustrates a much older plant of the same variety six or seven years in its present position, but in poorer soil and more exposed. The latter plant would have done much better if the soil had been carefully prepared and enriched with manure both underneath and on the surface; but the average city jobbing gardener is too confident that nothing needs to be learned to investigate much as to the special needs of the clematis, and so this plant is a good example of persistence under adverse circumstances.

A successful clematis grower tells me that one of the first essentials for having this plant flower well in dry weather is to have a good depth of rich soil. A good mulch is put on also, and frequent waterings of liquid manure given according to the state of the weather. If the ground be stiff, it should be lightened by working in a good proportion of leaf soil or cocoanut fibre refuse, also a little sharp sand.

Of late years many fine new varieties have been secured by hybridization. The first hybridizer of note is said to have been Isaac Anderson-Henry, Esq., of Edinburgh, Scotland, followed by George Jackman, of Woking, England. In 1862 the celebrated Jackmanni flowered and it is still one of the best. Mme. Edouard Andre was first seen at the World's Fair at Chicago, and is now well diffused and greatly admired. It is the nearest approach to a bright red that has yet appeared, perfectly hardy and a very free flowering sort. A recent introduction of the Jackmanni type is Mme. Baron Veillard, a lavender pink with a lively satiny lustre that is very charming. Another new one offered on this side for the first time this season is M. Koster, a bright rosy carmine, claimed to be a much stronger grower and freer in flowering than Mme. Edouard Andre, although it is admitted that the latter is richer and brighter in color. The introducers claim M. Koster has shown a growth of six to

eight feet in a single season under ordinary nursery cultivation with hundreds of flowers open at one time, which speaks well for its vigor. Of the older varieties, the following are all good and in general cultivation:

Alexandra.—This is one of the continuous blooming sorts of real merit. The flowers are large and of a pale reddish violet color. July to October.

Countess of Lovelace.—A decided advance on John Gould Veitch, both in habit, color and form. A bluish lilac, rosette shaped, forming a double flower.

Duchess of Edinburgh.—One of the best of the double white varieties. The flowers are pure white, four inches across; very deep. They are remarkably sweet scented.

Fair Rosamond.— Free growing and handsome. The flower is fully six inches across. The color is white with a bluish cast, having a light wine red bar up the center of each sepal. Flowers very fragrant, and are abundant through June and first of July.

Gem.—A new and perpetual blooming variety. The flowers are of a deep lavender blue. June to October.

Henryii.—This is the finest of all white clematis and should find a place in every collection. A vigorous grower, and remarkably free and continuous bloomer, beginning with the earliest and holding on with the latest. Flowers large, of a beautiful creamy white with reddish chocolate anthers. June to October.

Kermesina Splendens.—This is the most profuse bloomer of all clematis. Commencing in early summer and continuing through the season; literally covered with scarlet crimson flowers. Not subject to blight and is a vigorous grower.

Lady Caroline Neville.—A remarkably fine variety of the lanuginosa type producing flowers successively through the summer and autumn. Color pale mauve, with lavender bar, anthers pale reddish brown.

Lawsoniana.—One of the finest of all; a vigorous grower and continuous bloomer. The flowers are very large, often nine inches in diameter Opening a rich, glistening, rosy purple, they gradually change to a mauve purple. June to October.



FIG. I.—TWO YEAR OLD PLANT OF CLEMATIS JACKMANNI.

Lucie Lemoine.—Flowers white, double, large and well formed; composed of seventy-five to ninety petals; very showy. June.

Miss Bateman.—One of the most charming of the spring flowering hybrids, having large white flowers with chocolate red anthers and somewhat fragrant. May and June.

Prince of Wales.—This is one of the very profuse flowering varieties of vigorous habit; showy and free. The flowers are of a deep purple with a red bar in the center of each sepal. First rate for bedding as well as training up. July to October.

Ramana.—Said to be an American seedling of the Jackmanni type; one of the strongest growers; flowers lavender blue, similar to Gem.

Rubella.—One of the finest of the Jackmanni class, having the same habit of abundant and continuous blooming until frozen up. The flowers are large and of a deep velvety claret color. Showy and effective. July to October.

Star of India.—A very showy, very free flowering sort, with large flowers; first of a reddish plum color, changing to a violet purple with turkey red bar in the center of each sepal. A distinct variety of great merit. July to October. This is claimed to be one of the parents of the new coccinea hybrids mentioned in this article.

Velutina Purpurea.—This variety has great merit in being the darkest colored clematis of its class. The flowers are large and of a very rich, blackish mulberry purple color. It has the vigorous free blooming character of Jackmanni. July to October.

In addition to these must be added, of course, the popular Jackmanni and its white form. Albert Knapper, a successful Philadelphia grower of clematis, claims Gypsy Queen is better than Jackmanni, being freer and a better color. He has also a very good word for Belle of Woking. At Mr. Knapper's I saw a good instance of the free flowering qualities of Mme. Baron Veillard—a plant over a doorway having hundreds of fine blossoms on it at the time of my visit. Also I was reminded what a charming thing the old C. coccinea is by seeing its bright scarlet flowers sticking out from a plant that was growing vigorously on an old fence. It is a great bloomer, commencing about the 4th of July and continuing until frost. And C. crispa, isn't it fragrant!



FIG. II.—CLEMATIS JACKMANNI SIX OR SEVEN YEARS PRESENT POSITION

NEW COCCINEA HYBRIDS.

The new coccinea hybrids illustrated in this issue from the excellent colored plate of the London *Garden* were introduced recently by Jackman, and are decidedly unique and entirely different from pre-

existing sorts. The varieties shown are Countess of Onslow, Duchess of York and Duchess of Albany; all of which received the certificate of the Royal Horticultural Society. The beautiful bell shaped flowers are quite distinct from each other, with from four to six sepals each of good substance and standing well out from the foliage, which makes them excellent for cutting as they last well in water. I give Jackman's descriptions:

Countess of Onslow.—A bright violet purple with a broad band of scarlet down the center of each sepal.

Duchess of York.—A delicate blush pink with a deeper tinge down the center of each sepal.

Duchess of Albany.—Bright pink, deeper down the center softening to lilac pink around the margin.

It is understood that a stock of these is being worked up in this country; but so far they have not been offered and the introducer's prices are as yet so high that very few have invested. If they succeed well in our climate they will be a decided acquisition to this charming family of flowering climbers.

NELLY MOSER.

I am indebted to Mr. A. Blanc for the translation, which I have condensed considerably, from the French, of the particulars of the new variety, Nelly Moser, illustrated herewith from the colored plate of the *Revue Horticole*:

"In 1897 Mr. Moser, of Versailles (France) exhibited two new clematis. Both were pretty; but one, called Nelly Moser was particularly noticeable. The flower is fully six inches in diameter, of a satiny rosy lilac. Its bright carmine central stripe, so well defined, distinguishes it from any other of the C. lanuginosa type. Its habit is particularly vigorous and its hardiness assured. It blooms in May and at frequent intervals during the season, even up to October. The other variety, called George Magne was lighter in color but of the same form and size. In 1896 the attention of clematis specialists was directed toward the productions of Mr. Moser who in that year exhibited Rene Moser and Marcel Moser. The novelties were already a great improvement upon the forms issued from C. lanuginosa, but those exhibited in 1897 showed still further advance.

"Until within the last few years the variety Belisaire, with delicate lilac flowers bore the largest blooms. After this, but little increase in size was obtained. It was more in variation of color that progress was made, without, however, much deviation from the lilac, bluish or violet tints. It was then that Mr. Moser began to hybridize Belisaire with different varieties. From these successive hybridizations were issued Rene Moser, a double mauve, and Marcel Moser, a very large mauve flower with red central vein. Crosses from these two sorts finally produced George Magne, a rosy lilac with carmine rose central stripe or vein, and Nelly Moser, a white shaded rose, with bright carmine vein. Mr. Moser will soon place in commerce a novelty called Madame Deschamps, of which the petals are remarkably rounded instead of being pointed as in Nelly Moser. The color of this new sort is white, shaded mauve, with red central vein."

I am told that Mr. Egan, of Highland Park, Ill., has tested the coccinea hybrids of Jackman. It would be interesting to hear what that gentleman has to say on the subject. Will he not tell us?

G. C. WATSON.

The Present Status of the Geranium.

The geranium is the most important bedding plant of the day. No other plant disputes place with it. No other low-priced plant can be made to produce so fine an effect and with the increased number of good bedding varieties, running through such a wide range of colors, there is absolutely no need of monotony; the beds of this year need in no way resemble last year's; Mrs. A. and Mrs. B. may both order geranium beds, yet there need be no tone of resemblance between them.

A few seasons ago the popularity of this grand plant was seriously threatened by the fact that the majority of florists had but one or two favorite varieties of bedders, and customers must take these sorts or go without. For a long time Queen of the West was the leader, and



CLEMATIS NELLY MOSER.

square after square of town and city gardens presented the crude contrast of its red flowers against the green grass. No wonder the geranium began to be spoken of as "common!"

The number of first class bedding sorts even to-day, and with all the recent fine additions, is still not very large, though there are enough varieties to give customers an excellent choice as to combination of colors, if only the florist has selected the best as they have been offered to the trade.

The AMERICAN FLORIST has given some excellent lists recently, which should be valuable to growers in making up varieties for another year. Every florist who grows geraniums largely, would do well to have a small "trial ground" in some convenient part of his place, where he can make notes on varieties during the summer, and be able to speak with absolute precision to his customers regarding them.

Take your dark varieties and bed them side by side; label them plainly: S. A. Nutt, Marvel, Leonard Kelway, M. Ott, Le Cid, Louis Mayet. Score them up in your note book by points; which one gets into form and growth quickest, other things being equal; which has the best habit; most important of all, which produces the finest mass of clear color; put a very black mark after any that burn their foliage and dwindle away under the hot sun; no customer wants that variety to spoil his lawn; put a bright, particular star before the names of those that come out quickest and brightest after the rain storms; spot the shy bloomers and the small trusses; in short, work intelligently and systematically, and go through each color, double and single, and still you will not have an enormous contract on hand, for the bedders are limited in number. Beside those named in the S. A. Nutt class, we would suggest the following:

Double white, Countess of Harcourt, Boucharlat's White, Alpine Beauty, Mme. Chevralierre, La Favorite and Mrs. Gaar (single).

Double pink, Francis Perkins, L' Contable, Mary Hill.

Single pink, Ben Schroeder, Vincennes, J. D. Cabos, H. Le More.

Double salmon, Beaute Poitevine, Enlalie.

Single salmon, Mrs. E. G. Hill, L. Swartling.

Double scarlet, A. Ricard, Ville de Poitiers, Feu de Joie.

Single scarlet, Bruant, Gloire Poitevine.

Odd colors, Col. Barre, Mme. Jaulin, Prest. V. Dubois, rosy magenta, very fine combined with white.

While the geranium is first of all a bedding plant and is most highly valued because it gives a continuous mass of color throughout the season, and increases in effectiveness till frost comes, it is no less valuable when placed to other uses. For growing to specimen flowering plants, nothing but the chrysanthemum can equal it, and it is less exacting in its requirements.

In a retail florists' establishment nothing can approach the "fancy" varieties for brightening up the houses and adding interest to the place; visitors are always enthusiastic over the new and odd varieties displayed, so utterly distinct from the "fish geranium" of earlier days. These fancy sorts always meet a ready sale, at advanced prices, to buyers who are making up collections, and others who grow their plants in borders and enjoy them individually as distinct from producing a mass of color on the lawn.

Some ten years ago the introduction of Souv. de Mirande made a decided sensation as being a distinct break from every other type; on trial it fell into disfavor when it was found that it was a poor bedder, and its form of floret debarred it from a place among fine fancies, but it has proved the forerunner of a very fine and valuable family, two of which are leaders in the line of fancy bedders, these are Columbia and Dryden. Dryden has large florets approaching the circular in form; it is dwarf, a mass of bloom, color rosy red with white; bright and distinct and does not pale in the sun. Columbia is light scarlet and white, flame color in effect; very dwarf and one of the freest; stands the sun finely.

Other members of this showy family are Southey, probably the brightest and showing the most striking contrast of colors; Andrew Lang, of finest coloring, enormous size and perfect form, and Mark Twain, one of the most remarkable. These three are probably the finest and most striking of the Aureole section; as bedders they have not yet been tested, but their grand size, novelty and points of general excellence should secure them a place with every grower; they are delightful surprises.

For perfection of beauty and stunning size the "English round-flowered" stand unapproached. Cannell's set of a dozen years ago took away one's breath to

look at them, but the past few years have seen them surpassed. "Round as a dollar" describes their form exactly; the colors are inexpressibly clear and bright, and the size is most remarkable of all; when a geranium floret measures two and three-quarters by two and a half it is large!

Jno. Forbes is still unsurpassed among fine scarlets of this class; Gertrude Pearson, rose pink; Phyllis, salmon rose; Virginia, snow white; Shelly, dark velvety crimson; Alfred Tennyson, rose crimson; Crabbe, cherry red, and queen of them all is Mrs. Gordon Linzee, rosy-salmon shading to pure pink, a perfect bouquet of the most delightful color.

The fancy geraniums among double varieties are of the greatest beauty, and are quite novel. One of the earliest of these was Triumphe de Nancy, of carmine red color with white markings, a double Aureole; then came Mme Alcide Bruneau, a double white with a laced edge of rose; very beautiful, but not a strong grower. This year we have La Fraicheur, a quite double, snow white flower with a lace of bright pink, and a nice free grower; this is one of the prettiest geraniums extant. Emanuel Arene is a fine double flower of pure rose color with an enormous white eye.

Among the most promising of the coming novelties which will please the trade greatly are the following:

Tempest (Tempete), single; the nearest approach to an orange yellow yet introduced, and a mass of bloom.

Mantle of Fire, double; we consider this the finest thing of its color seen in many a day; it is very dwarf with neat foliage like Mrs. Gaar; the color is dark velvety scarlet, and it is the freest variety extant; the blooms must be kept off until the plants are well established; we think this will prove a leading bedding variety in its color.

A grand companion for it in pink is Bruant's Jean Viand. This is the color of Ben Schroeder in a double Bruant, with the white eye, a dwarf grower, rigid footstalks, elegant florets and a great profusion of bloom. It looks at present as if it would rank quite up with A. Ricard; we have several good pink bedders but there is room for a better one and it is here.

Of bedders of a new color for this purpose are President Victor Dubois, Bruant type, and the new variety, Stephen Ligeard. The former is rosy magenta; Ligeard is the color of a good crimson H. P. rose; both of them "mass" nicely, and either one lined against a row of white will produce a new and beautiful effect, a refreshing change where one has grown tired of scarlet used one season after another.

At the present time only the rose and the carnation surpass the geranium in interest and value. Each importation is anxiously tried for the fine novelties sure to be found in it; each year the process of weeding out goes on and the really valuable sorts quickly take their places among "standard" varieties. Of each annual importation fully seventy-five per cent is discarded by our firm as being unsuited to the American trade or not sufficiently distinct for introduction. Those sent out should be carefully tried before judgment is passed. A young plant in a 2½-inch pot rarely shows its capabilities. A new variety, if recommended as a bedder, should be planted in the open ground; other novelties should either be benched or grown on into 4-inch or 5-inch pots; then only will the bloom be seen in true character. Carelessness has consigned many a fine variety to the rubbish heap, from which it has only been reclaimed by the patience of the discriminating grower.

S. A. HILL.



COCCINEA HYBRID CLEMATIS.

A Visit to Riverton.

The name of Dreer is a household word among the commercial florists from one end of this broad country to the other. "Have you tried Dreer?" is invariably the answer given to the man who complains that, after repeated trying, he is going to give it up and write his customer that he cannot fill the order. After a visit to this immense establishment, taking in the acres of greenhouses and the broad fields surrounding, with their rows and rows of frames and summer sheds, the well-kept beds full of everything except nursery stock that will ornament a garden or lawn, together with the very complete water gardens, stocked with all that is desirable in aquatics, it may be said that the half has not as yet been told. Large collections of a similar character have been gathered together before, but they have gradually disappeared, while the building up of this business has gone steadily forward, until today it will compare favorably, when variety is considered, with any in the world. Another large addition, covering over half an acre in extent, is now being built, to be devoted entirely to ferns, of which they have over half a million in pots at present.

Jacob D. Eisele, the manager, to whose thorough knowledge of the business much of the success of the establishment is due, is always glad to see visiting craftsmen and takes great pleasure in showing them about. One of their specialties is a strain of double-fringed petunias. The seed for these is sown each season, the finest varieties selected at the time of bloom, and then perpetuated from cuttings. About fifty per cent of the seedlings come double. The varieties of last season, no matter how fine they were, are discarded, as the stock from fresh seedlings gives so much better satisfaction. In speaking of importing plants Mr. Eisele said that at the time, some years ago, when verbenas were much in demand, the tariff was largely increased. Wm. Bull, of London, who was doing quite a large business in new plants with American importers, said that this worked disastrously for him, as the Americans began to raise seedlings themselves, which were quite the equal of his, and the importations ceased.

"The demand for ferns is increasing all the time," reports Mr. Eisele. "We never seem to have enough. In the winter we protect our regular trade by setting aside certain parts of benches with selected stock, from which we take their orders and immediately fill up again, so as to have a full line of good plants at all times. Each year we sow more seed and give more room to this class of plants, but in the busy parts of the winter season, when the demand is greatest for table decoration, we invariably run

short of some varieties. There is also an increasing demand for large plants for sale as single specimens. Cybotium Scheidii is a grand fern. We have had a great demand for the plants and also for the fronds, which are used by some florists with good effect in bouquets and other floral work. It is most profitable, as it grows easily, only requiring plenty of room."

"What new varieties suitable for ferneries would I recommend? Well, Pteris serrulata voluta, P. Weimsetti and P. Biaurita argentea, the latter a dwarf, striped kind with good, strong foliage, are, I think, acquisitions among the pteris family. We are potting a lot of strong growing varieties into six-inch pots as the demand for larger sizes for decorative work is increasing. We grow nearly all our ferns outside in frames during the summer; it gives us the houses to spread out our palms, and the ferns seem to do equally as well outside."

The frames are all covered with white-washed sash, raised fifteen inches, leaving a large air space on all sides. The plants are either growing in boxes or in pots, partially plunged. They are watered from a system of pipes running overhead, with faucets at convenient distances, to which the hose can be attached. "Adiantum Farleyense no longer a puzzle?" repeated Mr. Eisele. "No, we have no trouble at all with it. We propagate from old plants that we get back from florists, or those that do not seem to grow strongly and break up into many crowns. These we shake out and cut into small pieces, a crown or so each. We sow these crowns in a bed of sand and moss, sprinkle sand over them and, when started, pot them off.

"What is there new about palms?"

"Nothing new; same old bugs to fight. We use a little more system now, however. Scale thrives best in a high temperature, so we keep our kentias during summer, their resting period, as cool as possible, as they make their best growth in the fall and early winter. This treatment helps to keep the pest down at this season, and if we start clean in the fall we have but little trouble in the winter. With the other kinds of palms there seems to be no better way than a systematic syringing with insecticides and and an avoidance of overcrowding. With the best of care, however, it becomes necessary at times to go over the plants and remove the pests by hand. No, there is nothing new in palms, at least for commercial purposes. Still, there are useful varieties that the retail florists could take hold of and push, which, I think, would give satisfaction as house plants and add much needed variety to the stock. I refer to such varieties as Arcea Baueri, A. sapida, A. Australis and pheonix in variety. Caryota urens is also a very decorative palm which, with its distinct foliage, stands out well in decorations and would be found very useful."

"Are you able to get palms up any faster with improved houses and greater experience?" was my next question.

"Well, not much. Latanias seem to come on a little quicker and planting several together in a pot, which is a plan now generally adopted by large growers, enables us to get bushy stock in a shorter time and with less handling and an economical use of greenhouse room."

"Has there been any advance in prices owing to scarcity and higher price of greenhouse material?"

"Yes, from ten to twenty per cent, arecas particularly being higher on account of scarcity and increased demand. There is one thing I would like to say about arecas; they do not usually get the care after shipment and on arriving at their destination that they require. They should be given a warm, close atmosphere, as they are apt to get chilled if placed in a cool, airy house, such as would do very well for kentias."

"What is in these boxes under the table?" I asked.

"They contain our palm seed, placed about six inches deep and covered with



JACOB D. EISELE.
Manager Dreer's Riverton Establishment.

moss and kept moist. They are looked over occasionally after the seed begins to show signs of life, and the quick ones planted on the table above. In this way we save room and keep the sizes, or strong and weaker growers, separate. Palm seed should, on arrival, be at once placed in damp moss and never allowed to get dry thereafter."

"Which variety sells best with you?"

"The kentia is in most demand on account of its general utility; next come arecas and the latanias."

"Do you find as much sale for araucarias as formerly?"

"They seem to sell just as well, the greatest demand being for medium sizes. Many small growers who sell at retail find them profitable, and they are included in every order. We raise quite a number from cuttings, keeping the stock plants in pots, where they do no grow so large as when planted out, but make more shoots. These stock plants are not available for anything else, as they never afterwards grow into salable stock. The araucarias seem to do best during summer plunged in ashes, under a slat frame."

"Has Cocos Weddeliana been overdone?" I interrogated.

"No; there is a great demand for cocos, it being one of the best of house palms and its very extensive use for ferneries still keeps the stock down although it is now much more largely grown than ever before."

"You have a large stock of Cycas revoluta; how do they go?"

"Very well, only the price is too low. When they have to be kept a year or two to get a good, even set of leaves they should bring more money than they do to make them desirable stock for a grower to handle."

"How about the prices of palms abroad; are they also advancing?"

"Yes, some of the growers in Ghent quote prices now for this fall's delivery that are from twenty to fifty per cent higher than their figures two years ago."

"Here is a fine variety of Draceena Australis type called Doucetti, with a fine light blush-colored midrib; it is a good strong grower and will be a good commercial sort when it can be sold a little cheaper. They are working up a large stock of it in Belgium."

"Your collection of dwarf Japanese evergreens is very pretty; what do you think of their antiquity; do you believe they are as old as they claim?"

"I have asked my Japanese assistant several times about the truth of the given ages of these specimens and he always laughs but has nothing to say. I think their ages are largely fictitious and that they can be grown in a much shorter time."

The lily gardens are themselves worth a visit and to enthusiasts, and their number is increasing rapidly, this portion of the grounds is a most fascinating place. Mr. Tricker, who has charge of this department, is on the lookout constantly for new varieties and has raised from seed some very valuable kinds. The large Victoria pond, given up almost entirely to this species, looks very tropical, with its surface covered with the handsome leaves of this superb variety.

"The demand," said Mr. Eisele, "is rapidly increasing for this class of plants and the water garden is getting to be a feature of every well conducted private place. Orders are received for our new varieties from connoisseurs in Europe who get a hold of the fact that we have them, probably from the horticultural notices in their journals, as we do not advertise the newer kinds."

There are many more stocks here that might be spoken of, both in the houses and on the grounds outside, but train time comes all too soon and we return Mr. Eisele's earnest handshake and thank him for his attention. We cannot close, however, without mentioning the beautiful rock work, covered with hardy annuals and perennials that are at home in such a location. ROBERT KIFT.

Dwarf Poinsettias.

The general cultivation of poinsettias being so well known, we need not say anything about it here. The propagation is usually effected by means of hard-wood cuttings in early spring. These are undoubtedly the best, if large plants or large bracts for cutting purposes are desired, but as a rule they grow too tall to be very ornamental as pot plants.

To obtain our dwarf plants we propagate during the summer, taking soft-wood cuttings, which will root readily if proper care is taken of them. Given a little bottom heat and kept quite close, there will be no trouble in rooting them. After that the cultivation is essentially the same as that of hard-wood cuttings. Being well rooted through in 2½ inch or 3-inch pots, we usually plant them three or four together in a 7-inch pot or half a dozen in a 10-inch pan, using one of the larger plants for the center. In this way they make very attractive plants for Christmas. Poinsettias are not at all particular about soil, though they prefer rather a loose, porous but rich mixture and require careful watering as soon as cool nights set in. J. M. KELLER.

ROSES.

CULTURAL NOTES.

Roses for the coming winter should now all be planted and, as so much of their future success depends upon the care they receive from now till their blooming period commences, it may not be out of place to enumerate some essential points in their treatment.

We will presume that the plants have been well treated, being grown in a rich compost, on well drained benches, with the soil pressed as firmly as possible. The main thing at the present time is to guard against overwatering. In very hot weather two or three light syringings each day, the last not later than 2 p. m., will keep the plants in better health than one heavy watering at any time. They should have an abundance of air all day and, unless very stormy, the ventilators should be open at least three or four inches at night. The more air they get now the better will the plants resist mildew and kindred troubles, as it gives them a hardy constitution. This treatment should be carefully followed until the outside temperature falls below 60°. When this occurs it is much safer to put on a little fire heat, just enough to prevent condensation on the foliage, leaving the ventilators open all night to guard against soft growth. Keep all decayed leaves carefully removed.

Some varieties require a little different culture from others. Those which will thrive under practically the same treatment are Bride, Bridesmaid, Bon Silene, Perle, Sunset, Madame Hoste and Clara Watson. The hybrid teas should be given a little more water and an early top dressing as they will succeed better if kept steadily growing, particularly American Beauty, Madame Caroline Testout and its offspring, Admiral Dewey, Mrs. Robert Garrett, La France, Meteor and Souvenir de Wootton. Mrs. Pierpont Morgan, Madame Cusin and Papa Gontier will require still more liberal watering.

Regarding temperatures at this season, and until regular firing begins, they should all be treated alike, but when the forcing season proper begins, then there should be considerable variation. The first lot all require an average of 56° at night; American Beauty may go 2° higher at certain periods; Meteor should have 6° or 8° more to ensure the flowers opening well, while Souvenir de Wootton and Papa Gontier should never be given over 52° or 53° at night to get fine blooms.

Maid of Honor and several others which have been introduced within the last three or four years all require about the same treatment, but there are an exceedingly small number of these that are valuable to the general florist, though some of them have done well for a few who seem to have a soil particularly suited to their requirements. As an illustration, Golden Gate was sent to me by the originator for trial, before he sold any of the stock. After giving it all the care we knew how we could not get enough petals to make a decent bloom. Since then I have tried it several times and have given it to others to try with the same result; yet there are some who do this rose very fine, getting good flowers of large size. The same rule holds good with others of still more recent introduction.

Souvenir du President Carnot is a grand rose, but how few can get enough flowers in mid-winter to make it profitable! At other seasons it is superb. The same applies to Kaiserin Augusta Victoria. The first winter President Carnot did remarkably well with us, at least the plants on their own roots did. The variation in many varieties is an interesting, though sometimes disappointing, study. Some will do well the first and second season; after that they seem to deteriorate; others sometimes take three or four years to develop their good qualities. Meteor and Souvenir de Wootton are examples of this latter class.

Of the varieties of this year's introduction it is too early to pass any opinion. Maid of Honor seems a little darker in color than Bridesmaid; whether this will be an improvement remains to be seen. Lady Dorothea, another claimant for honors, belongs to the Perle family; its color is certainly very pleasing. Admiral Dewey is also of a very beautiful shade and it is large, but fickle fashion and the retail florists are responsible for the future of any flower, no matter what its qualities may be.

How long will flower buyers be satisfied with the same stereotyped varieties, only four or five? Brides for luncheon one day, Bridesmaids for breakfast the next, American Beauty for dinner, or possibly a few Meteors or Morgans! This is the regular diet nine months out of twelve and yet there are many lovely shades to choose from for variety. But the grower who beguiles himself into the belief that some others than the above will certainly sell, will find himself badly left. Why is it thus? Can any one give us a reason why so many really beautiful roses should be absolutely ignored?

JOHN N. MAY.

ROSES FOR CHRISTMAS.

ED. AM. FLORIST:—I wish to know how to treat roses taken from the bench after flowering last season so as to have them in bloom at Christmas. They are now standing outside in pots.

YOUNG FLORIST.

I presume that the varieties the cor-



PHILIP BREITMEYER, PRESIDENT



GEORGE A. RACKHAM, VICE-PRESIDENT.



BRUNO SCHROETER, TREASURER.



ROBERT FLOWERDAY, SECRETARY.

OFFICERS OF THE DETROIT FLORISTS' CLUB.

respondent refers to are the ordinary tea roses taken from the benches, in which case I should advise him to keep the plants plunged outdoors in their pots until about the end of August. Let them get a fairly good rest by withholding water somewhat; then thin out all the small wood leaving the strong growths almost intact. When planting inside loosen the ball as much as possible so as to help them to start into the new soil. After planting press the soil solid about the roots. Give them sufficient water to make them hold their foliage, but do not over-water, giving them all the air possible day and night. By this means they will start new roots before they start any top growth; then by the end of September or first of October they will begin to show considerable top growths. If the flowers are wanted they could be allowed to produce blooms up to about the middle of October, but to insure getting the very best crop at Christmas let the buds be picked off as fast as they are seen up to the middle or end of November. This will induce the plants to make exceedingly good growth, and when the final pinching is done they will all break nicely and produce a fine crop for Christmas, providing the treatment is reasonable all through. JOHN N. MAY.

Orchids for Cut Bloom.

Anyone desirous of having a supply of choice orchid flowers the whole year round, or a few for some particular occasion, need not be a genius in order to grow them. It requires, however, a careful selection of species and varieties, coupled with good management. At the present time there are very few orchid flowers in the market, for the simple reason that no one holds the stock of plants from which to supply. In the course of six or eight weeks there will be an abundant supply, and there will also be plenty of demand for them. The average florist cannot do better than grow a stock of these plants in proportion to his needs, and those here named will be found the most valuable for general purposes.

Miltonia bicolor and its varieties would, I have no doubt, find a ready market. For autumn and winter supply the various species and varieties of cattleya must be given first place. The following, in their order of flowering, will cover a period of at least ten months, starting with Cattleya labiata and following with Lælia autumnalis, Cattleya Gaskelliana, C. Trianæ, Lælia ancepes, Cattleya Mossiæ, C. Mendelli, Lælia purpurata and Cattleya gigas. We have, of course, the usual complement of sundries, the most conspicuous of which I should say are the odontoglossums. In O. grande, one of the oldest, we have, if not the finest, certainly one of the most showy orchids in cultivation. It is a general favorite, flowering in the fall, and with a good batch of O. crispum one may rely on securing from these plants a good handful any month in the year, although the heaviest cut is obtained in early spring.

Among oncidiums the trade favorite is O. varicosum, but O. ornithorhynchum is worthy of a place on account of the freedom with which its deliciously odorous flowers are produced. Calanthe vestita and C. Veitchii are most desirable subjects for almost any kind of decorative work; they usually flower about Christmas. The most profitable cypripediums to handle are C. insigne, C. Leeanum and C. villosum. And then we have the fall and spring flowering dendrobiums, the cream of which are D. formosum, D. Phalænopsis, D. nobile and D. Wardianum. This list, of course, could be drawn out almost indefinitely with good things, but they are of no greater market value than those enumerated. All the above plants are within the reach of every grower, and they may be purchased at a figure that will insure good returns the first season if properly handled. This is a good time to secure imported stock. The plants generally arrive about this season in good shape, and they have ample time to plump up before fire heat is applied. But all the choicest orchids are collected, imported and sold during almost the entire year. Established importers now have their business down to such a fine point that one runs hardly any risk in placing an order at the most convenient time. A specially constructed house is not required for orchids. Many of the erroneous impressions respecting the difficulties attending the culture of these plants have been removed by some intelligent growers who handle them very satisfactorily with palms, ferns, roses, etc.

J. ROBERTSON.

[The annexed illustration shows a mass of cattleyas as grown by Lager & Hurrell, of Summit, N. J., on the "board system" for the production of flowers for cutting. The board was placed in an almost perpendicular position for convenience in photographing.—ED.]

Freezing, Steaming and Drying Soil To Destroy Eel Worms.

ED. AM. FLORIST:—My attention has been called to an article in the AMERICAN FLORIST of June 10, by W. N. Rudd, entitled "Freezing and Steaming Soil To Destroy Eel Worms," in which the writer expresses surprise that the freezing method was not more strongly recommended in bulletin 55 of the Hatch Experiment Station, Amherst, Mass., as such a method would be considerably cheaper than the annoying one of steaming the soil.

We are willing to acknowledge that more attention might have been paid to the freezing method, but the reason why more attention was not paid to this method was because we had known of instances where it has failed when tried by practical growers. As a result of this failure we were led to exercise some caution and perhaps did not give the method as much attention as seemed desirable. We do not consider this failure by certain growers in applying this method to contradict the statement which we have made in our bulletin, viz, that freezing kills parasitic nematodes and their eggs, but is only an evidence of the carelessness with which remedies are sometimes applied. It is owing to this carelessness in applying remedies, this lack of acumen and attention to details, which renders co-operative experiments frequently unsatisfactory to men who have been



CATTLEYAS GROWN ON "BOARD SYSTEM."

trained in scientific methods. There are many instances where remedies prove absolute when applied with a reasonable amount of skill, which too often fail when applied by guesswork.

The failure of the freezing method led the writer to advocate a better and more absolute one, viz., by heating, inasmuch as by the use of such a method numerous other pests are destroyed in the soil which are troublesome and the soil is rendered far more effectual by this process, a fact which has been demonstrated many times on various crops. The various details, moreover, connected with the freezing method advocated by Mr. Rudd we consider open to objection. The labor and expense involved in removing the soil from the benches and top of the ground underneath and scalding hot water applied to every part of the house, benches, walks, posts and ground underneath the benches; whitewashing all rough wood work or treating the same with crude oil or kerosene; the application of lime wash to which sulphur is added to the inside of the benches, would be more expensive and far less effective in our judgment than putting two-inch tiles in the benches and attaching a steam boiler to them and treating the soil once for all. The steaming method does not require removing the soil and everything except some of the more resistant bacteria will be killed; besides the soil is rendered more available for germination and growth. If one owns a steam boiler so much the better, but, as in our experiments, where we had to hire a portable boiler, the heating method is far more effective, less troublesome and cheaper than the method recommended in the columns of your paper.

There are some things which the treatment recommended by Mr. Rudd will not do. Freezing will not kill certain troublesome fungi, as we have already demonstrated, and I doubt whether it has any effect on the red spider or aphis; neither can we regard lime and sulphur used as a wash as effectual agents against nematodes and fungi. We have observed the mycelium of certain destructive fungi growing upon the surface of soils which were well covered with sulphur and lime and charcoal, and we have completely covered the surface of inoculated prune agar tubes to the depth of about one-thirty-second part of an inch with these substances without apparently causing any ill effect upon fungus growth. We believe that some method of disinfection or fumigation, as mentioned by Mr. Rudd, is very desirable whatever process is used in treating the soil. We have been experimenting for some time with gas, etc., in unemployed greenhouses with the hope of finding some efficient remedy for both fungi and insects, but our experiments are not yet completed. So far, however, we have found nothing much superior to burnt sulphur.

There is one method of combating nematodes which we mentioned in our bulletin as giving promise of becoming a cheaper and more efficient method than either the freezing or steaming process. This is the method of desiccation or drying the soil directly in the house, thus obviating the troublesome labor of emptying the beds. The great majority of truck houses in our section lie idle during the hot summer days and if the house is closed tightly and the soil forked over two or three times during this period it will become completely dry and all nematode life will disappear. We have repeatedly demonstrated the effectiveness of this method on a small scale and we are convinced that when properly done we have the cheapest and best method for nematode control which has yet been suggested.

During the past year we have been able to obtain results on a larger scale than heretofore by the use of this method and it has proved entirely satisfactory thus far. One of the houses we experimented in did not have benches and was devoted to cucumbers, the roots of which were completely covered with galls during the winter of 1898, some of them being one and one-half inches in diameter, and in many instances could be seen protruding above the surface of the soil. The house, during a short time last summer, was closed up, the earth forked over once or twice so as to become dry and cucumbers were again planted in the fall. During the present season, as a result of this treatment, the plants have been entirely free from nematodes. It would seem from our experiments that desiccation has more disastrous effects upon insects and fungi than freezing. According to the present state of our knowledge concerning the problem of nematode control we will offer the following conclusions in regard to parasitic species of heterodera:

1. Nematodes (heterodera) and their more resistant eggs cannot stand the severity of our northern winters and thoroughly freezing the soil is a remedy for their suppression.

2. The application of live steam through porous tile laid directly in benches for a sufficient time to secure an even temperature of some 180° to 200° Fahrenheit is sufficient to kill heterodera and its eggs.

3. Thorough drying or desiccation of the soil for the period of a few weeks will rid it of heterodera and its eggs. This latter constitutes the cheapest and best method so far used by us.

4. All chemical remedies are failures so far as known.

G. E. STONE.
Hatch Experiment Station,
Amherst, Mass.



KALANCHOE FLAMMEA.

Kalanchoe Flammea.

This new and beautiful greenhouse plant was one of the principal attractions at the exhibition of hybrids and new plants held at Chiswick, July 11, in conjunction with the conference on hybridization. A group of about fifty plants was staged by the Royal Gardens, Kew, where this species first flowered in 1897, having been raised from seeds collected in Somaliland two years previously by Mrs. Phillips and Miss Cole, travelers

and botanists. A figure of the plant was published in the *Botanical Magazine*, May, 1898, (t. 7595).

The genus kalanchoe numbers about fifty species, chiefly African, with a few Indian. None of those previously introduced into cultivation have won recognition as useful garden plants, the best of them being K. crenata, K. marmorata, K. grandiflora and K. carnea. In general appearance these plants resemble some of the better known crassulas, and the new introduction may be placed along with the useful C. coccinea which finds favor with most growers of greenhouse plants. The requirements of the two under cultivation may be said to be identical and a successful grower of the crassula need not hesitate to essay the kalanchoe.

The history of the plant whilst under cultivation at Kew is as follows: From the single example, a small one, which flowered in 1897, a batch of about 300 plants were raised, chiefly from leaf cuttings and small basal shoots which were developed on the plant after flowering. As these grew their tops were taken off and rooted and it would have been easy to have raised 1000 plants in the time had they been required. Whilst under propagation the plants were kept in a warm house on a shelf near the glass. In May last year they were removed into a sunny, airy greenhouse where the conditions were such as are afforded to young fancy pelargoniums. They did not flower that year. During the winter they were kept on the dry side and freely ventilated when the weather was favorable. By April last or when they were from eighteen months to two years old, they were sturdy, leafy plants about a foot high with from one to six erect shoots, according to the number of times the growths had been stopped. At that time the ends of the shoots narrowed and shot up into flower heads, the largest of which were nearly a foot across. The most shapely specimens were those which had only one stem, although every plant when in flower was what is known as useful in form, requiring no support, the stem covered with bright green leaves and the flowers elevated on long, slender, wiry, self-supporting stalks. The plants were in full flower the first week in June and they are not past yet (July 27). The flowers are about three-fourths of an inch across, fleshy in substance and colored a brilliant salmon scarlet. As in the case of Crassula coccinea, the flowers of the kalanchoe do not fade if cut and left dry for hours.

Seeds are ripened abundantly by the cultivated plants and as they germinate in a few days no difficulty will be experienced in raising plenty of plants. They should be sown in February or March along with such seeds as begonia, gloxinia, etc. It is not unlikely that the old plants if cut back will grow into large specimens; that, however, has yet to be proved. With the exception of a dozen plants kept for the Kew collection the whole stock has been secured by J. Veitch & Sons, Chelsea, who intend to distribute the seeds next spring.

The illustration reproduced herewith from a photograph taken by S. Grimshaw in the Royal Gardens, Kew, represents a single plant in a 5-inch pot, much reduced. A first-class certificate and a silver gilt flora medal were awarded to the plant by the Royal Horticultural Society.

London, Eng. W. WATSON.

Heliconia Sanderi.

This is a new and distinct species and received a first-class certificate at the Temple show of this year in London. It has the same free habit as is seen in Heliconia aureo-striata and H. illustris. The foliage, however, is beautifully marked with pure white, in some instances almost over the entire surface of the leaf, while others are marked with numerous white lines on a green ground. It will make a splendid acquisition to our ornamental stove plants.

OWATONNA, MINN.—Lord & Johnson have closed their down town store until September 1. Their roses and carnations for fall and winter blooming are in fine shape and they expect a prosperous season.



HELICONIA SANDERI.

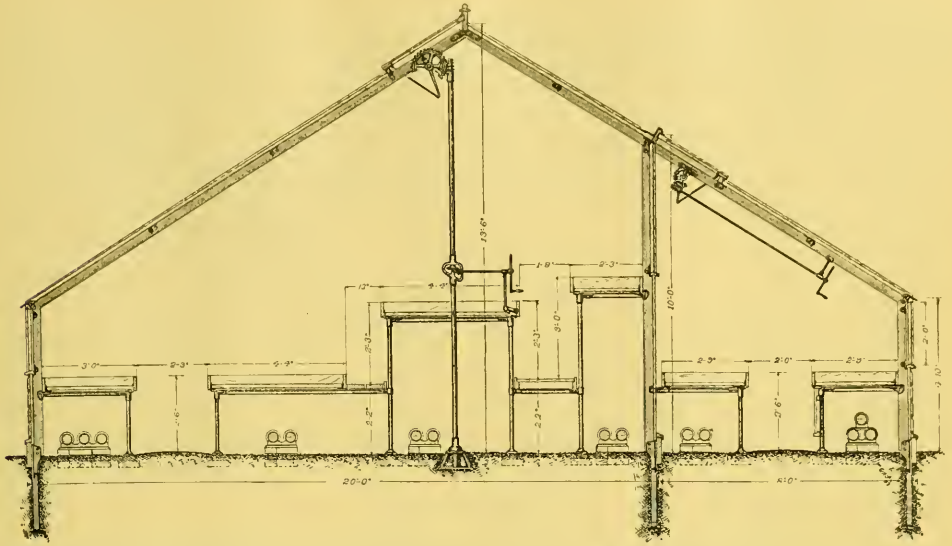
WITH THE GROWERS.

JACKSON & PERKINS CO., NEWARK, N. Y.

The home grounds and greenhouses of this enterprising firm were visited by your representative recently. A bright view presents itself on approaching the neatly kept grounds surrounding the residence of Mr. Perkins; everything is tidy and trim and the walks, lawn, beds, border and shrubbery give evidence of careful and continuous attention. Of special interest were several pillars of the Crimson Rambler rose eight or ten feet high and covered on all sides, from top to bottom, with immense clusters of flowers. I had seen large specimens of this grand rose before, but none could compare with these as to an even distribution of bloom on the lower parts of the plants. Usually the bloom is produced from the middle of the plant upward, while the lower parts are but sparingly furnished with foliage or flower sprays. Judicious pruning and liberal treatment will do wonders for this plant, as is demonstrated here.

A little farther along is the office building, where I found every man unexpectedly busy, though after a short interval Mr. Perkins found time to show me around. First to be inspected were the frost-proof buildings, where nursery stock is stowed away in winter. Packing goes on here without interruption in the coldest weather. Three separate air spaces in the walls effectually prevent frost from entering the buildings and even in zero weather no difficulty has been experienced in keeping the temperature at or a trifle above freezing point. An immense quantity of nursery stock, such as is grown here, can be stored in these spacious cellars, as they are called, and the advantage of being able to fill any order at any time prevents too great an accumulation of spring orders. From these buildings I was led to several 250-foot houses covered with lath, in which are grown in pots large numbers of Hydrangea Otaksa, H. paniculata (in tree shape), Viburnum plicatum, lilacs and various other shrubs used by florists for winter forcing, all now making a fine growth in the protecting shade. Later in the season the laths will be removed in order that the new wood may be thoroughly matured.

In the long range of greenhouses I saw the second batch of roses in 2½ inch pots just starting into new growth; the first lot propagated was planted out some time ago. Over 500,000 roses are grown here annually, principally the leading hybrid perpetuals and the Ramblers. Varieties which do not make strong or rapid growth in this soil and climate are sent out to California, where a son of Mr. Perkins superintends the planting and cultivation of the stock. An excellent growth is made by all the California plants in a single season and thus the firm is enabled to supply extra strong plants on their own roots of many varieties which in other establishments are only to be had budded on Manetti. Another specialty is the clematis, a complete assortment of the large-flowering varieties being grown from single-eye cuttings. I saw about 100,000 of these cuttings in the propagating frames, most of them now well rooted. Several men were engaged in potting them off and I had an excellent opportunity to observe the success with which they are propagated here. Many rows were taken from the sand before my eyes, every cutting a mass of bristly roots at the base. Whether all varieties form roots with the



SECTION OF ONE OF LORD & BURNHAM CO.'S COMMERCIAL GREENHOUSES.

same freedom under the management of Jackson & Perkins' propagator, whose skill in this particular branch is so remarkable, I am not prepared to state; but as sash after sash was lifted in the long ranges of frames, I came to the conclusion that one variety looked as promising as another, and not a decayed or damaged leaf could be noticed on any of the cuttings. From 150,000 to 200,000 has been the annual output lately, but the figures are increasing every season. C. paniculata is grown in large quantity from seeds, also Ampelopsis Veitchii.

Cuttings of a large assortment of ornamental shrubs are now in frames, many frames being devoted to Viburnum plicatum, all in the best possible condition. The remaining propagating frames are filled with rose cuttings. No propagating frame or bench is allowed to stand vacant very long at this season. When space is cleared the old sand and manure are taken out, replaced by fresh material and more cuttings inserted. Quite a stock of small and medium sized plants of Cryptomeria Japonica, the Japanese cedar, are grown in one of the houses. In this state they bear some resemblance to Araucaria excelsa at first glance, though the branches are more erect in habit and not produced in whorls. The plant responds readily to pot culture and is a faster but not so symmetrical a grower as the araucaria, though as a cheap substitute for the latter it may have a future. Another house is devoted to the blackberry Rathbun in pots, the plants being grown in this way because they produce more fibrous roots under this treatment than by outdoor culture. Among the novelties is also an English red currant, the berries of which it is claimed attain the size of ordinary grapes. A number of Wichuraiana seedlings will probably be distributed next year, one of them a remarkably free bloomer, with very double flowers of a soft, light pink shade, produced in large clusters and very fragrant and lasting. Another of more upright habit—perhaps a cross with some hybrid tea—has large, well formed, double, silvery pink flowers and withstood the past severe winter unprotected and unharmed. Several large flowering clematis seedlings of various shades will be probably introduced to the trade next spring. Every eye is being utilized in working up a stock, so that I had no opportunity to judge of the flowers, though they are said to be great improvements on older sorts.

The original or home grounds comprise about thirty acres of land, but in addition 200 acres or thereabouts have been acquired in different sections and every foot is utilized and planted to ornamental stock. The firm does a strictly wholesale business, selling only to dealers, nurserymen and florists. The stock sent out is invariably of the best quality, unless an inferior grade is expressly ordered. By adhering firmly to this rule the house has in a comparatively short time established a reputation as to reliability which could not have been gained otherwise in a lifetime.

J. B. K.

A Modern Commercial Greenhouse.

The accompanying illustration shows one of Lord & Burnham Co.'s model full-span greenhouses, twenty-eight feet wide, divided by a glass and ceiling partition into two compartments. It shows their latest construction for this purpose. The large compartment is practically a three-quarter span house to run east and west, while the smaller compartment gives an ideal propagating pit on the back or north side. Being built together they give these added advantages: With an ordinary three-quarter span house the north side is very much exposed, while in this case it is practically sheltered by the warm compartment at its back. On the other hand, the propagating pit instead of being exposed to the sun on the south is shaded by the main house, this being generally conceded by florists and gardeners as an advantage to the cuttings. In this way the two are made to serve each other.

The frame is of the most improved iron construction throughout. Cast iron foot pieces serve as the supports for the iron rafters in place of a masonry foundation. They are securely bolted to the rafters, and by having a large, flat base, give ample support and at the same time furnish a very secure anchor. The patent angle iron eave plate, for which great things are claimed, on account of its strength and ice-clearing properties, is a detail to which we call attention, and it is recommended by this firm to take the place of gutters for commercial houses. With some eave details owners and gardeners have complained that the ice would form at this point (in very bad weather) backing up so as to break off the bottom lights, and in a case where side glass or vent sash were used, would form a screen which very effectually shaded the front bed. With a view to overcoming these disadvantages the Lord & Burnham Co. has invented and patented this angle iron eave plate, which, they claim, fully overcomes the difficulties, for as one face of the angle iron is exposed to the heat of the interior it is kept warm enough to melt any ice which might otherwise collect.

The cast-iron gutter over the partition is a feature of the construction peculiar to this house. The ventilators in the pit are not usually made continuous, and this gutter effectually sheds the water collecting on the glass above the vents to the glass between them. As much of the under surface of this gutter is exposed to the heat of the interior, it also is kept warm enough to clear itself of all ice that might collect. This keeps the ventilators in the pit free to act in the most severe weather.

Attention should be called to the ventilating machinery, which is strong, durable and simple of operation. The propagating house ventilators are operated by the firm's Standard apparatus, while for the machinery shown in the center an important improvement is claimed. As regards the use of lines of vents at the ridge the pipe support which extends from the cast-iron foot

piece to the yoke which holds the gear supports the weight of the machinery at that point and incases the steel rod which carries the power from the set of bevel gears. These bevel gears reduce the exertion required to raise the ventilators by one-half and are a very important feature where long, heavy lines are in operation.

The beds are also of the most improved pattern and consist of a frame of angle iron, supported by pipe legs or by legs securely bolted to the rafters. The sides are generally made of clear cypress, and in this case the bottoms are made of the same material, but a tile bottom especially adapted to the purpose is often substituted.

CHRYSANTHEMUMS.

CULTURAL NOTES.

We are now coming to the season for selecting our buds and it depends largely on the condition the plants are in which is the best bud to take. It is also necessary to take into consideration the color, form and habit of the variety and the mode of culture to which it has been subjected. Most of the early stock has had the crown rubbed out and is now making what we term the second crown bud. It is best to be sure you understand the requirements of the variety before taking the early buds and to allow the buds to get large enough to handle without bruising before you undertake to disbud. The following varieties are forming their buds and in every case it is the second crown bud which we have found to give the best results.

Yellow Queen is one of the first; April struck cuttings planted in the early part of June are now nearly four feet in height The later planted stock of this variety will not have the buds ready before the end of August, which makes them much later in maturing and while this is a fine early sort it is not good enough to compete with Major Bonnaflon or Henry Hurrell and should be out of the way before these are ready.

Mrs. Jerome Jones is another which is budding. Some of them formed their second buds two weeks ago and these were removed, allowing the plants to run on to the terminal bud, which is the one that comes pink with this variety. The buds which are forming now will be retained and will produce the white form of this variety.

With Henry Nanz, the bronze sport of Mrs. Jerome Jones, we select the terminal bud, the flower from the earlier bud being too pale.

If you have Mayflower at the required height and strength any buds that are "ripe" about August 15 may be selected; these will make an incurved form.

Frank Hardy is another which we are given to understand makes the best blooms from buds selected about August 12. This is the first season we have grown this variety and at this time it bids fair to run away with every other white here. Our few plants of it are over five feet high. We understand it to be a regular glutton and feed accordingly.

It will be a week or ten days before Golden Wedding and Major Bonnaffon show the bud. Ivory and its sport have had two buds removed, these being kinds which form a bud every little while during their growing season. No buds have been retained so far, but the ones we are after are visible. Almost all of the pink varieties are best from the terminal buds, which give them a much better color, and the same may be said of all the red and bronze varieties.

The plants will take a considerable amount of food from now until the color of the petals commences to show but do not apply the fertilizer too strong while the bud is very small. Gradually increase the strength as the bud swells but at no time should the liquid be watery, or, in other words, have no life in it; let it have substance enough to keep the plants moving. Now is the time to get rid of any insect pests. C. W. JOHNSON.

Helpful Reminders.

Every nook and corner around your place is adapted to some variety of hardy plant. Shady corners and wet places around most greenhouse establishments are anything but pretty and for many perennials these peculiar situations are better than an open field, besides you will continually be digging up a 25-cent root of something from a corner that never yielded you anything before, or cutting some flowers that break the monotony of the usual store stock.

It is more satisfactory to grow many of your perennials from seed. Start this month, sow in flats and while the seedlings are growing prepare the beds. Dig deeply and work in plenty of fertilizer. When the seedlings are large enough to handle, plant them out in rows in the irregular borders and patches around your place and arrange to give them a light covering before very hard frost. They should be in place early enough to make some growth before winter, which they will easily do if you start them at once. The roots increase rapidly and the digging of an occasional root is hardly missed, but if considerable trade is expected it pays to pot off the seedlings not bedded and carry them over winter in a cold pit; the pot plants will sell well the following spring and they are less labor than a good geranium. Do not waste time on a poor variety; get good seed at any price or none at all.

Geraniums that are left over should be shifted to good-sized pots and grown for fall; any that do not sell are good for cutting up for young stock. But there is sale for fine specimen geraniums; the name is common, but the article scarce.

Cyperus should be potted now, if you have seedlings, and old plants should be divided or shifted to a larger-sized pot.

If you have had any trouble in your heating system, now is the time to remedy it. C. B. W.



MOSER'S DISPLAY AT A PARIS EXHIBITION. (SEE PAGE 40.)



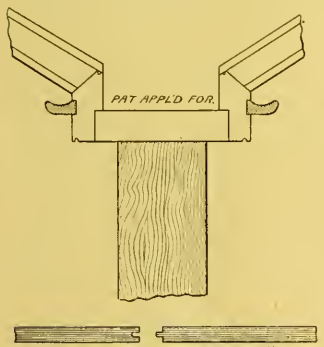
WIRE SUSPENDER FOR POTS.

Some Useful Contrivances.

As in all other lines of activity, the inventor is unceasingly at work in the interest of florists and floriculture. Many of his productions are crude and useless, but occasionally an idea is hit upon which proves of untold value in this field of labor. We here call attention to a few recent contrivances in the hope that at least some of them may prove helpful to our readers:

WIRE SUSPENDER FOR POTS.

It is often desirable to grow plants in pots or pans on benches for a time, and at other seasons suspend them from the roof. Colin Ogston, of the Kimball Gardens, Rochester, N. Y., calls our attention to a handy, cheap and serviceable arrangement for the purpose, as herewith illustrated. Mr. Ogston says: "It is now extensively used by Siebrecht & Son, of New Rochelle, N. Y. It can be made in any suitable size of soft or hard wire, and the operation is so simple that with a little practice one can make them as quickly as they can be attached by another man. By using a wooden block



MONINGER'S DRIP MOULDING.

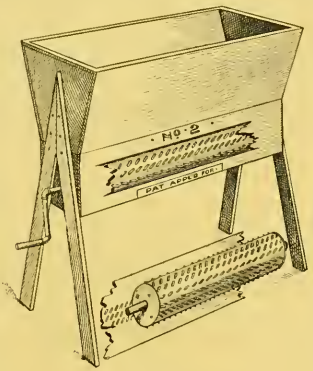
of the size required great speed can be made with them, and they are certainly safe. It is my own idea."

A DRIP MOULDING.

A new device offered by the John C. Moninger Company is the drip moulding shown in the accompanying illustration. This is a strip of cypress worked into the inside of the sill on the gutter and is grooved sufficiently to catch and carry away all condensation on the glass and bars and any leakage which may run down the inside of the glass. The moulding is made with what is known as a tongue and groove splice at the ends and when put on is practically one piece. This dispenses with the water pools which accumulate at the posts and is being quite generally adopted, all the more willingly as it can be added to a house at trifling cost.

SOIL CRUSHER.

The accompanying illustration clearly shows the mechanism and utility of the soil crusher manufactured by the Florists' Supply Company, North Tonawanda, N. Y. The quantity of soil now used in the average commercial place renders some such machine an absolute necessity, if one intends to keep pace with the times. This No. 2 machine differs from No. 1 of the same firm chiefly in size, strength and capacity, being stronger and larger in every respect. The larger



SOIL CRUSHER

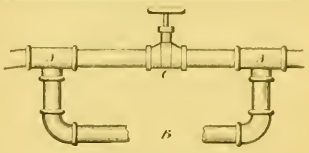
machine is not yet on the market, but it will soon be ready.

CYCLONE SPRAY PUMP.

Stevens & Co., of New York, the manufacturers, claim many things for this spraying apparatus. The trouble with nearly all the spraying machines is not that they are difficult to put in proper shape, but rather that they are generally out of working order when needed. Every grower in the country has frequent use for a good spray pump and if this new one can be depended upon it will fill a long felt want.

EDERER'S ALARM BED.

A frequent source of loss and trouble in many small commercial establishments is found in the fact that the night fireman is also required to attend to his regular duties during the day. Not unnaturally he goes to sleep sometimes and awakes too late to avoid calamity. This alarm bed is designed for just such cases. L. Ederer, of Omaha, Neb., is the inventor. A fireman himself, he knew what was needed. The bed is attached to the heating system (hot water or steam) and is operated efficiently, but without injury to the sleeper, by means of a safety valve. The Omaha florists speak well of the bed.



PUMP AND TANK CONNECTIONS.

GARLAND'S IRON GUTTER.

The valley gutter and drip conductor, made of cast iron, has been designed and patented by George M. Garland, Des Plaines, Ill. This device is now used in many important greenhouse establishments, Lincoln Park, Chicago, among the number. Those who have had experience with it say the gutter is very satisfactory. The principal advantages claimed are that it lasts much longer than the ordinary gutter; that it affords more light, is more quickly cleared of snow with no breakage of glass, formation of ice, or drip from condensation.

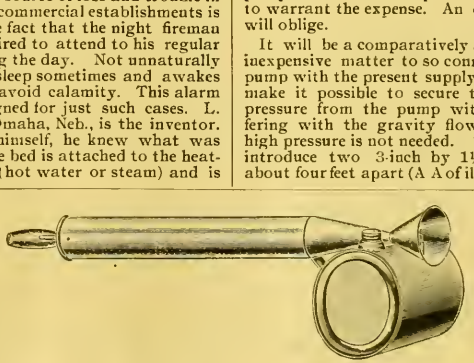
NEW REFRIGERATORS.

Retail florists can hardly get along nowadays without something of the refrigerator order, and in most cases it should be attractive as well as useful. The new syphon refrigerator now being placed on the market by the White Enamel Refrigerator Company, of St. Paul, Minn., is certainly attractive, and it is claimed to be constructed on a principle which renders it economical of ice and of the greatest possible utility as a preserver of the contents. Well known florists speak very favorably of it.

Pump and Tank Connections.

ED. AM. FLORIST:—I am seeking information of a somewhat complicated character. My water supply comes from an elevated tank about thirty feet high to extreme height, consequently there is only about fifteen pounds of pressure when the tank is quite full. Under certain conditions this does not furnish the desired pressure. Can I increase the pressure with any degree of practicability by adding a force pump to the supply pipe? Said supply pipe is known as 3-inch pipe. Could it be so arranged that when needed I could have a man or two work the pump and increase the pressure sufficient to warrant the expense. An early reply will oblige. D. E.

It will be a comparatively simple and inexpensive matter to so connect a force pump with the present supply pipe as to make it possible to secure the desired pressure from the pump without interfering with the gravity flow when the high pressure is not needed. To do this introduce two 3-inch by 1½ inch tees about four feet apart (A A of illustration)



CYCLONE SPRAY PUMP.

in the supply pipe and connect the higher one with the suction and the lower one with the discharge pipe of a force pump at B. A gate valve (C) should be placed in the main pipe between the tees. If this is closed when the pump is used, a good pressure can be secured.

L. R. TAFT.

CARNATIONS.

INDOOR GROWN CARNATIONS.

Our earliest planted stock has made fine growth, the foliage has a rich color, with new shoots breaking out from every branch, and the roots have spread well through the soil. This is very satisfactory thus far but from now on the plants will require every encouragement. They must not be allowed to dry out severely and it is important that the soil be in one condition clear through.

It is well not to be always governed by the looks of the soil at the surface, as we often find that the tops of the beds appear dry enough to require a watering, but by digging down a little the soil is found to be plenty moist. At this season we give the plants a syringing on every bright day and dampen the walks at the same time.

We believe in a good firm soil for carnations and if the beds are at all loose we go over them at this time, making the soil as even and as firm as we can, after which a light surface cultivation is given every little while to keep the soil open and prevent its baking.

If the plants are in vigorous growth they will need to be watched closely so that they do not become drawn. Give them all the ventilation possible day and night without any shading whatever. We allow full sunlight for all of our plants and on the front benches close to the glass, where we often find it too hot to work comfortably, the plants are equally as good as those on the other side of the houses. The shoots must be pinched back before they get too long so as to form an even, stocky plant and when topped on time they will break away much more readily.

We tried some plants of Flora Hill this season, planting them from the sand to soil in frames outside as we were short of room at that time. They were lifted and planted in the house about July 12 but have suffered considerably from stem rot, whereas, with the stock grown in pots, we have been free from it entirely. Again, the plants from soil did not take hold nearly so well as the pot-grown stock.

CHAS. W. JOHNSON.

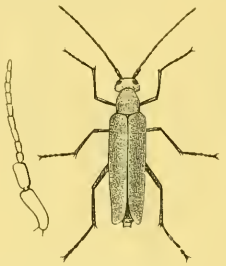
A New Carnation Pest.

On the occasion of a recent visit to the establishment of the Chicago Carnation Company, at Joliet, Ill., Manager Hartshorne called our attention to the ravages of an insect which, hitherto, has not been known to attack carnations. This pest has appeared in large numbers at Joliet during the present season. It eats flowers and foliage indiscriminately, cleaning up everything of this character in its path, and is certainly very destructive to carnations. The insect proves to be the ash-gray blister beetle (Macrobasis unicolor), figured herewith from the Yearbook of the Department of Agriculture for 1898. The female beetle is shown at the right, twice natural size; the antenna of the male at the left, greatly enlarged. The following account of the insect is taken from the publication already specified:

"The most troublesome blister-beetle enemy of legumes in the east is the one here figured. This beetle is elongate in form, rather soft-bodied, and of a uniform ash-gray color, produced by a dense covering of minute hairs of this shade. It inhabits the entire eastern United States from Canada, New England and South Dakota to Florida and Texas, extending westward to Kansas and Nebraska.

"This species does severe injury to beans and peas by devouring the leaves, and the past year it was found upon cowpeas and soy beans at Washington. Of other legumes it attacks clover, locust and honey locust, and numerous wild plants, such as lupines, astragalus, and wild indigo. It is quite a serious enemy of the potato, and has been reported by department correspondents to do damage to tomatoes, sweet potatoes, anemones and chrysanthemums. The beetles are actively destructive for a month or more. In the latitude of the District of Columbia they make their appearance about the middle of June and farther north from one to four weeks later.

"In their life history blister beetles differ greatly from other coleoptera in that



MACROBASIS UNICOLOR.
(Chittenden, Yearbook Dept. of Agr., 1898.)

they undergo a more complicated series of metamorphoses. The class to which this species belongs feeds upon the eggs of locusts or grasshoppers. The blister-beetle eggs are laid on the plants or upon the ground. From each hatches a small long-legged larva, called a 'triungulin,' which runs actively about in search of a grasshopper egg-pod, which it enters and feeds upon. After a time it casts its skin and assumes what is called the 'carabidoid' larval stage, and when it next molts it resembles a white grub, the 'scarabæidoid' larval stage. When a larva has finished its quota of locusts' eggs, it undergoes a third molt and forms within its own skin what is known as the 'coarctate' larval stage or 'pseudo-pupa,' and in this condition usually passes the winter. In the spring the fourth and ultimate larval molt takes place, and with the fifth molt the insect enters upon the true pupal stage, and in due time transforms to a beetle.

"Blister beetles are not an unmixed evil, since they do some good in their larval stage to compensate in a measure for the harm they occasion to our crops; for the habit of the larvæ of feeding upon grasshopper eggs renders them of very material aid in keeping these pernicious insects in check. This is especially true of the western states, where both blister beetles and grasshoppers abound. But the benefit derived from the insect while in its larval stage is really more than counterbalanced by the loss it occasions in fields and gardens; hence insecticides or other measures should be employed to destroy the beetles when they occur in harmful numbers.

REMEDIES.

"Paris green is one of the best remedies for blister beetles when they occur on potatoes and most other crops. It may be applied dry, mixed with from ten to twenty parts of flour, plaster, or air-slaked lime, or in the form of a spray, also mixed with lime or Bordeaux mixture, at the rate of a quarter of a pound of the poison to forty gallons of the diluent. But, unfortunately, in the use of an arsenite upon beans there is difficulty in obtaining a dry mixture or solution sufficiently strong for the destruction of the insects which will not endanger the plants by burning or scalding. The addition of lime mitigates this to a certain extent. Repeated applications are sometimes necessary, since the poisoned beetles are replaced by others. A remedy which is employed with success in the western states consists in sending a line of men and boys through infested fields to drive the beetles, by short flights and running, before them until they alight in windrows of hay, straw, or other dry vegetable material which have previously been prepared along the leeward side of the field. When the beetles have taken refuge in such a windrow it is fired and the beetles are burned. After what has been said concerning the voracity of these beetles it is almost superfluous to add that whatever remedy is employed should be applied at the outset of attack in order to be of substantial value."

MR. HARTSHORNE'S EXPERIENCES.

Referring to his efforts to banish or destroy these troublesome beetles, Mr. Hartshorne says: "In attempting to get rid of the insects attacking the young plants outdoors, I first tried air-slaked lime, dusting it over the foliage, but this did not have much effect. Next I tried boiling tobacco stems and spraying the extract over them, which seemed to drive them away some. I then tried a compound put up by the National Mining and Milling Company, called Basofine Gray Mineral Ash, which is dissolved in boiling water, and after applying same a gray scum was left upon the foliage. In twenty-four hours after the first application hardly a beetle remained, so I judge from the experiment that the latter preparation did the business, and it does not seem to injure the plants. I have not destroyed the beetles entirely as yet, as they have made an advance on the old plants indoors, and are eating up the flowers about as fast as they open in one or two of the houses. Fumigation with tobacco seems only to knock them down, and the next morning they rise again apparently with as much vigor as ever. However, I am about to throw out our old plants now, so do not mind them much."

Cleveland.

No business of any account is being done at present. The street railroad strike that has been on here for the past three weeks seems to be wearing off slowly and possibly with its departure there may be some very slight improvement, although it came at a time that worked the minimum injury to the florist business.

A. Graham & Son are erecting one new house 23x125 to be used for carnations.

Peter Crowe, of Utica, N. Y., was a recent visitor. He expects to attend the convention before returning home. A.

New York.

STATE OF CUT FLOWER TRADE.—STEAMER TRADE SATISFACTORY.—SUMMER VACATIONISTS.—DEATH OF JAC. BEBUS.—A NEW LILY OF THE VALLEY.—AN EXCURSION.

There is an abundance in the market of everything called for, with the possible exception of orchids, of which a few more might be sold were they obtainable. The call for these, even, is spasmodic and they are by no means certain of a customer at all times. Lily of the valley appears to be on the increase, a quantity of it being seen on the tables of most of the wholesalers every morning, and the sale is far from brisk. Of asters there is a surfeit. Those received now are an improvement on the earlier blooms but they bring less money and the still better goods that are yet to come will have difficulty in reaching the prices of last year unless conditions change considerably. Roses are not badly overstocked for the season but they go at all sorts of figures. Very few carnations are seen. They are mostly of the regulation summer pattern. Steamer trade, which makes about all the order business here at this season, while at no time especially heavy, is holding out longer and more steady than usual.

Many of the hard workers of the craft are still enjoying their summer outing. In addition to those reported as missing last week may be added John I. Raynor, who has gone, with Mrs. Raynor, to Pine Hill. J. K. Allen stands out in front of his Twenty-eighth street mart with a look of wistful dejection on his features that excites one's sympathy and is accounted for by the fact that his faithful bookkeeper, Miss Riley, accompanied by her smile, has gone to the Adirondacks for two weeks. Johnnie Weir also wears an uneasy countenance, for Mrs. Weir and daughter are away at Nantucket, and Ed. C. Horan has taken a modest little trip to Bridgeport.

Jacob G. Bebus, for many years a retail florist on Broadway, and once in the wholesale business in partnership with the late Lou. Patterson on West Twenty-ninth street, died on August 5 at his home, 118 West Eighty-fourth street, after a lingering and painful illness.

H. A. Bunyard has been given the American agency for Laxton Bros., of Bedford, England, to introduce their new large flowered lily of the valley known as the Fortin variety. It is said to be double the size of the best Berlin quality with stems averaging twelve inches.

The members of the Portchester Horticultural Society went on their annual outing on Wednesday of this week to Riverton, N. J., to visit the Dreer nurseries.

Traendly & Schenck are having their store on Twenty-eighth street repainted throughout.

Boston.

THERE IS LITTLE TO REPORT IN THE CUT FLOWER MARKET.—THINGS REMAIN ABOUT AS INDICATED LAST WEEK, WITH FLOWERS ENOUGH AND TO SPARE IN ALL LINES.—ROSES AVERAGE GOOD FOR THE SEASON.—CARNATIONS ARE SMALL AND ASTERS ARE THE WORST EVER SEEN IN THIS MARKET, A CONDITION ATTRIBUTABLE TO THE DRY SEASON.

Special awards at the Horticultural Society's exhibition on Saturday were a certificate of merit to H. A. Wheeler for superior cultivation of Oncidium sarcodes. Certificate of merit to J. F. Harlow for gladioli Mme. Desbordes Valmore and Baron Joseph Hulot. Certificates of merit to J. E. Rothwell for superior cultivation of hybrid cypripediums Frau Ida Brandt and hybrid Cypripedium Edwardi var. superbum. Honorable mention to Oakes Ames for collection of botanical orchids, and a silver medal to Kenneth Finlayson, gardener to Dr. C. G. Weld, for Watsonia Adernei, a new bulbous flower that as soon as it becomes sufficiently plentiful can not fail to take its place among the staple florist flowers. It blooms in a spike in the way of the gladiolus, the flowers resembling those of the freesia, but larger, scentless and snow white throughout. Gladiolus Baron Joseph Hulot is startling as to color, being a vivid violet purple, unlike any gladiolus ever shown before. It was the regular prize day for annuals and fine displays of these were made by Mrs. John L. Gardner, Mrs. E. M. Gill, C. H. Souther and Jos. Heurlin, notwithstanding the drawback of a very dry season. J. Warren Clark brought a brilliant collection of gladioli and Rea Bros. made an interesting display of hardy phloxes, including a number of the best of Lemoine's hybrids, such as Coquelicot, salmon scarlet, Mars La Tour, white with pink eye, and Lumineux, rosy red. Phloxes were shown by Geo. Hollis, Mrs. J. L. Gardner and James Comley. W. C. Winter showed some seventy named varieties of dahlias in different classes, Norris F. Comley, asters, I. E. Coburn, pansies and C. W. Hoitt a group of lilies including Batemanni and auratum virginale album. A collection of choice flowers from H. H. Hunnewell attracted much attention; in it were a number of choice orchids, Ixora Williamsii and hybrid greenhouse rhododendrons, among the latter being Duchess of Teck, Princess Christian and luteo-rosea.

Robert Morrison, who for the past twenty-two years has been gardener at the Boston Lunatic Hospital, died at his home in South Boston on August 2. He was a native of Sterlingshire, Scotland, and was 81 years of age. Mr. Morrison was gardener for Daniel Webster from 1845 up to the time of the latter's death in 1852, and planted the trees that are growing around Webster's tomb at Marshfield.

Among the most beautiful sights of the year at the Arnold Arboretum are the loniceras in fruit. Just now they are at their best, weighted with brilliant red or scarlet berries and producing a grand effect. The half hardy hydrangeas have made a record for themselves here this year, being well furnished with fine flower heads although they were left out all last winter.

The ponds at the Arnold Arboretum are at present the most attractive features of the place, and Jackson Dawson can usually be found in the vicinity feasting his eyes on the picture which he has created. Great masses of magenta Lythrum Salicaria with clumps of Hibiscus Moscheutos and rushes fringe the irregular banks, and the nelumbiums and nymphaeas are simply gorgeous.

J. Welch is back from his well-earned vacation, sun-browned and sturdy.

Visitor last week: S. S. Pennock, Philadelphia.

BURLINGTON, VT.—A. J. Taylor has opened a new flower store at 182 Main street.

ELIZABETH, N. J.—During the tornado of August 2, the roof was torn off the residence of H. C. Beebe and his greenhouses were almost completely wrecked.

Philadelphia.

ARRANGEMENTS FOR THE CONVENTION TRIP.—HALF A HUNDRED ARE ASSURED.—BUSINESS QUIET.—THE MATTER OF POPULAR PRICES TO BE TESTED BY BATTLES.—STORE FITTED FOR THE PURPOSE.—OTHER MATTERS.

Convention time is almost here and the transportation committee has at last decided to go by the Black Diamond Express, which leaves the Reading terminal, at noon Monday next, and must travel at the rate of a mile a minute or better, as the schedule time calls for fifty-seven miles an hour, including stops. This should be swift enough for the most enterprising. Secretary Lonsdale has sent each member of the club a circular with all particulars, so that all should be on time. Tickets and sleeping car berths are to be had of David Rust, who has these important matters in charge. Most of the party will stop over at Niagara coming home, their tickets carrying this privilege. At present writing over fifty names are on the roll, and it is expected that there will be sixty or more before the hour of starting; a very good delegation considering the distance. Lots of good things are to be provided by Gen. Westcott, who is never happier than when he is attending to the comforts of others.

Business is moving along in the usual August fashion. There seems to be plenty of stock for the light demand. Some of the summer houses are a trifle off crop, and the roses smaller. Robt. Craig & Son's Kaiserins are blooming very freely; they are the same gratted stock he forced last summer, which he kept dormant over the winter. He is much pleased with the result.

The question of selling cut flowers at popular prices in the retail stores is one that has caused considerable discussion in the past, many growers claiming that considerably more flowers could be sold if the dealers would be satisfied with less profit. There are many pros and cons and situations possible that it is thought might follow such a plan if it were carried out. Whether it will be successful or not, it is at least to be tried by H. H. Battles, who has fitted up a store within a few doors of his own, not to be run in his name, but to be called, we believe, the Century Flower Store. Popular prices will prevail. Spot cash is to be paid for all stock handled, which will be the best of the lower grades. Plants that can for various reasons be purchased at a low figure and sold at bargain, or what appear to be bargain, prices, will also be handled. The store is very nicely fitted up with the necessary counters and shelves, but no refrigerator. Pictures and mirrors adorn the walls, and it goes without saying that cleanliness will be one of the salient features. The outcome of this venture will be watched with interest, as the problem of the surplus may be solved in this way.

Robt. Craig & Son have selected a fine line of samples from their stock for their exhibit at the convention; they appear to be as well grown as it is possible to get such plants in their sizes. H. A. Dreer Company will also have a choice exhibit, which will be in charge of W. B. Mott.

E. J. Paddock, of Cleveland, was in the city the past week. He looks well and says business is all right in his city, barring the railroad strike, which at another season would have affected them seriously. Mr. Wagner, of Mount Vernon, N. Y., was also with us and enjoyed an evening at the club room. K.

Chicago.

A DULL MARKET SEES A SCARCITY OF ROSES.—LITTLE LOCAL DEMAND.—ASTERS MEET THE CALL FOR MORTUARY DESIGNS.—MUCH BUILDING BEING DONE.—GRIST OF PERSONAL JOTTINGS.

The market has been dull this week but there have been a number of fair shipping orders and they have cleared up every available rose, no matter what its quality. Funeral work has been the extent of the local use for flowers and for this asters have sufficed, and there are many of these. There is the usual heterogeneous mass of garden flowers which have been picked over for window decoration and the balance sent out through the fakirs.

There is quite a bit of building going on about town. The Rose Hill Orphan Asylum is adding three houses 22x290 and a palm house 20x60. J. F. Kidwell & Bro., are building a show house 20x 175. The Chas. Held place is being extended by an even span house 22x102, Damm Bros. are putting up a house 24x 45 and the range of glass at Humboldt Park is being increased by four houses 19x60.

Mrs. Wittbold, step mother of George Wittbold, died in Augustana Hospital August 4, after an operation for cancer. She was in her seventy-seventh year. The funeral was held on Tuesday.

The Moninger Company reports this season the best in the history of the firm. They now have a capacity of five 20x100-foot houses per day.

E. C. Amling has been confined to his home for a week, threatened with typhoid fever. He had planned to attend the convention.

At Wittbold's they are preparing to build a new house 25x125, using Garland's iron gutter. Otto Wittbold went to Detroit Thursday by boat.

Mrs. J. B. Deamud has been ill this week but expects to be recovered by Monday at 12:02 p. m.

C. S. Stewart has returned from Paw Paw Lake, Mich., where he spent last week.

Arnold Ringier is in the east but will probably be at Detroit next week.

Henry Payne, of the Hinsdale Rose Co., is rusticating in Wisconsin.

B. J. Blameuser and Miss Josephine M. Gerbel were married recently.

Eugene Geisreiter, of the Bell Conservatory Co., Sacramento, Cal., passed through the city August 5 on his way east.

Among recent visitors: A. C. Brown, Springfield, Ill.; S. Dahlgren, Oconomowoc, Wis.; H. A. Lindsay, Birmingham, Ala.; W. A. Kennedy, Milwaukee; Geo. F. Crabb, Grand Rapids; Harry Papworth, New Orleans; J. F. Wilcox and Mrs. Wilcox, Council Bluffs.

Toronto.

GOOD SUMMER SEASON.—JOTTINGS AMONG THE GROWERS.—MILLER'S NEW CARNATIONS.—ROSES AT DUNLOP'S.—UTLEY HAS SUCCESS WITH SWEET PEAS DESPITE UNFAVORABLE GROWING CONDITIONS.

With one exception the reports of the past season's business are excellent. I found T. Duffort, of Little York, busy erecting a new greenhouse 15x80; evidently business had been prospering there.

Mr. Miller, of Bracondale, is away on a trip to New York with his wife, but his son, Frederic, showed me the new varieties of carnations which he is introducing this season. They are Lady Laurier, an improved Daybreak; Lady Van Horn, a large cherry red; Lady Minto, a fine striped crimson on white, and Lady Macdonald, white. (I had no idea he was so fond of the ladies.) He appears to have about 4,000 plants of these varieties, and, although the season has been hot and dry and he has been able to water but little, they are all in excellent condition. He also showed me a large field of the older sorts and a number of seedlings not yet thoroughly tested, all in fine shape. I observed a fine stock of chrysanthemums, palms, ferns and ficuses, and a large field of tomato plants which I was told had been secured by H. Summers & Sons for seed. The roses are in good condition but not much bloom yet.

George Hollis, of Bracondale, who, by the by, has severed his connection with Miller & Sons and is now on his own account, has a good house of chrysanthemums, not quite so forward as usual, he says. He has put up a small windmill, or air motor, which he reports working well. I noticed some very fair sweet peas here, very good indeed, considering the drought; also some excellent asters and geraniums.

At Dunlop's I found the proprietor ensconced on a lounge, recovering from a severe illness. I had a peep over his fine new dwelling house, finished in the latest style. Here is a field of about 40,000 carnation plants in excellent vigor, and a hurried look at the rose houses showed the plants to be in their usual healthy condition, just coming into bloom. Miss Brown, the courteous manageress of Dunlop's King street store, told me that business had been better than usual at this season of the year. Some good roses were coming in; asters and sweet peas were improving.

Edwin Utley, of Little York, has had a large field of sweet peas growing for seed and, although the heat and drought have been excessive, and he was late in sowing, from May 5 to 10, they have made a grand display of bloom. Burpee's Navy Blue as grown here may be considered one of the best novelties of the season. The six Cupids, grown in the open field without any coddling, have made a beautiful show. The original white variety and the new pink and white dwarf varieties prove to be excellent border plants and are a mass of bloom.

The hot season has proved too much for the Toronto Horticultural Society, and the meetings have been called off until October. S. P.

St. Louis.

MONTHLY MEETING OF THE CLUB.—ELECTION OF OFFICERS.—TWENTY-EIGHT CONVENTIONITES.—THE TRAIN SCHEDULE.—BUSINESS QUIET.

The regular monthly meeting of the Florists' Club was held August 10 with a large attendance. The following officers were elected for the ensuing year: J. F. Ammann, president; Chas. A. Kuehn, vice-president; E. Schray, secretary; J. J. Beneke, treasurer; A. S. Halstead, C. C. Sanders and H. G. Ude, trustees.

Twenty-eight from here are going to attend the convention at Detroit, and will leave Monday morning, August 14, at 9 o'clock, over the Wabash. The bowling club will have a strong team and will try hard to bring back the cup.

Business is very quiet, but most of the growers are busy repairing their houses and getting ready for fall trade. F. J. Fillmore is busy planting his carnations in their houses. His plants are better than ever. S. E.

Paris.

NO STRIKING NOVELTY IN THE LAST EXHIBITION.—USUAL EXCELLENCE IN FLORAL WORK.—WORK ON THE EXPOSITION.—PLANTINGS OF ORNAMENTALS IN PROGRESS.—OTHER NOTES.

There was no novelty of striking character on display at our last Parisian horticultural exhibition. The great exposition not being far away, it may be that our great horticulturists prefer to keep back for next year any world's novelty they may have. In floral work we had as usual, a splendid show. Lachaume, Debric and Moser continue to be the leaders. The latter exhibited a rustic windmill, overlaid with birch bark, to the summit of which elegant clematis were climbing as shown by the accompanying illustration. He secured the medal of honor for his display.

Another artistic composition was a basket of Lilium Harrisii among which delicate shoots of clematis were trailing, showing their mauve and violet flowers to best advantage. As a complement to it a few light adiantums and a large ribbon of a mauve color were added. Orchids continue to be profusely used in floral works, and stately flowers they are. Vilmorin had, as usual, the finest display of garden flowers and vegetables.

The work of the Paris Exposition has been going on steadily since my last letter. Not less than 500 varieties of trees and shrubs, hardy enough under our climate, have been planted and will look next year as healthy as if they had been brought up on the ground. At the foot of the big trees many climbers and flowering shrubs have been planted, which will cover the stems and branches with a great variety of flowers and afford an agreeable effect. PARISIAN.

Worcester, Mass.

The condition of trade remains unchanged but quite an improvement is noticeable in the quality of the flowers. We are receiving some good carnations from September cuttings; Scott and Evelina seem to be good varieties for summer blooming. Carnations in the field are thrifty and the houses are being emptied and cleaned. Housing the field grown stock will begin the first of September; we find we cannot lift as early as some of the carnation experts advocate. Chrysanthemums are looking exceptionally fine and require lots of attention. About the same quantity are being grown as last year.

H. F. A. Lange will join the Boston convention party and there is a likelihood of two or three others attending.

A. H. L.

Elmira, N. Y.

The Elmira Horticultural Society has held two successful exhibitions this year. The rose show in June was an advance over the one held last year, both in number of exhibitors and in the quality of the blooms staged. The sweet pea show, held August 3 and 4, was also better than the one last year. The home grown peas showed great improvement but those grown in Cohocton and Avoca were still ahead. It was a grand opportunity to study the novelties. Mr. Charles Larrowe, of Cohocton, showed the entire set of seven Eckford novelties with which he won the Eckford cup at Springfield. The society will now devote its efforts to the chrysanthemum show to be held next November. H. N. H.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

CONVENTION, Detroit, August 15–18.

TINFOIL has gone up in price ten per cent or more.

ENGLISH ivy promises to be one of the items in demand next season.

IRON stakes (galvanized) for greenhouse use are materially higher in price.

THE rise in the price of iron pipe has been 170 per cent since the season opened.

THE annual meeting of the Canadian Horticultural Association will be held at Ottawa September 20 and 21.

RELIABLE authorities say there are no good reasons to expect an early decline in the price of popular large sizes of greenhouse glass.

OUR next issue will contain a full report of the S. A. F. proceedings at Detroit. Advertisements for same should reach us not later than August 17.

WE are in receipt of a neat announcement from W. A. McFadden, Rosebank, Cincinnati, to the effect that the shipping trade of this establishment will be restricted entirely to orchids, lily of the valley and fern after September 1.

IN the *Garden* (London) of July 30 there is a colored plate and description of Coleus thyrsoideus, a new species from British Central Africa. The deep blue flowers are very attractive. The plant is recommended for winter bloom.

THERE is in Hildesheim a rose bush 1,000 years old. It has not blossomed this summer, say the Hildersheimers, with reverential pride. There are rose bushes in this city 997 years younger than that of Hildersheim which have never blossomed since they were confidingly purchased, and yet the owners do not brag.—*Boston Journal.*

Butted Versus Lapped Glass.

ED. AM. FLORIST:—How would it be for William Scott, or some other good fellow who really knows how to do it, to show by practical demonstration those of the members present at the S. A. F. convention, to be held in Detroit, who do not know the right way to glaze a greenhouse when butted glass is used. One "W. S.," in a recent number of your neighborly contemporary, gave a dissertation on butted glass during which he made the statement more than once that those who do not approve of butted glass for commercial greenhouses probably do not lay it the right way. He neglected to attempt to tell just how it should be laid, possibly abiding his time and awaiting an opportunity to be invited to show just how it ought to be done under the circumstances now offered. E. L.

Hotels in Detroit.

	Rooms.	Rates.
Cadillac	200	$3.00 to $3.50 Am.
Russell House	200	3.00 to 3.50 Am.
Griswold	100	2.00 to 3.00
Wayne	150	2.00 to 2.50 Am.
		1.00 to 2.00 Eu.
Normandie	50	2.00 to 2.50 Am.
Barclay	50	1.50 to 2.00 Eu.
Oriental (men)	100	1.00 to 1.50 Eu.
Franklin	100	1.50 Am.
St. Clair		
Metropole		

On to Detroit.

The following are the routes to Detroit, so far as determined, of the parties from the principal cities:

From Chicago, Wabash R. R., leaving 12:02 p. m., August 14, arriving at 8:10 p. m.; fare $10.35 round trip.

From New York, Lehigh Valley R. R., leaving 12 noon, August 14, arriving 6:55 a. m., August 15; fare $18 round trip.

From Cleveland, D. & S. Navigation Co.'s night boat, August 14; fare $2.25 round trip, stateroom $1.75 additional.

From Pittsburg, Pennsylvania road to Cleveland and night boat to Detroit, fare $8.50 round trip.

From Boston, Fitchburg R. R., leaving 11 a. m., August 14, arriving at 7 a. m. August 15; fare $22 round trip.

From Buffalo, Wabash R. R., leaving midnight, August 14; fare $7 for round trip.

From St. Louis, Wabash R. R., leaving Sunday night, August 13; fare one and a third.

From Cincinnati, C. H. & D., leaving 7:30 p. m. to Toledo, by boat leaving 8:30 a. m. to Detroit, arriving 12:45 p. m. August 15; fare $9.85 round trip.

From St. Paul, C. G. W. R. R., leaving Minneapolis 7:35 p. m., August 13, St. Paul 8:10 p. m., joining Chicago party via the Wabash.

From Philadelphia, Reading R. R, leaving 12 o'clock Monday; fare one and a third.

Boiler and Piping.

ED. AM. FLORIST:—I have three greenhouses, all running east and west. No. 1 is an even span, 28x170 feet, fifteen feet to ridge and side walls three feet six inches high. The eastern half of this house is used for carnations and the western half for roses. Houses Nos. 2 and 3 are connected with eastern end of No. 1 and used for general stock. No. 2 is 18x50 feet, ten feet to ridge, north wall six feet and south wall four feet high, and No. 3 is 11x50 feet. Replies to the following will be much appreciated.

1. What would be the most practical method of piping the houses where the thermometer falls from 25° to 30° below zero?

2. What size of hot water boiler would you recommend?

3. Could the boiler be placed in the cellar of dwelling house at western end of house No. 1 and if so how deep?

C. D.

1. While the scheme recommended has some objections, it is made almost necessary by the arrangement of the houses and the necessity of maintaining different temperatures in each. We suggest the use of three 3-inch overhead flow pipes, one upon the center posts and the others on purlin posts. One of these mains is to supply the coils in the rose house, another those in the carnation house, and the third is to carry the water to houses No. 2 and No. 3. Just before reaching the end of the carnation house the third main is divided into two 2½-inch pipes, one of which is carried under the ridge to the father end of each house. The coils in house No. 2 can consist of thirteen 1½-inch pipes, while eight will suffice in No. 3. To carry the water from these coils to the west end of the carnation house three 2-inch pipes can be used; one should be along each side and the other through the center of the house. In addition to the two 3 inch flow pipes and three 2-inch returns that pass through the carnation house, nine 2-inch returns will be desirable although eight would perhaps answer. The return can be placed on the walls or under the benches according to the arrangement of the houses. The returns from houses No. 2 and No. 3 can be enlarged to 3-inch and the coils in the carnation house connected with them. If the coils are all upon the walls only two of the returns need be enlarged. In the rose house there will be three 3-inch overhead flow pipes and either three 3-inch returns or two 3-inch and one 2-inch, from the other houses. In the one case ten 2-inch and in the other eleven 2-inch returns will be needed in the rose house. Three 3-inch returns will suffice to take all of the water back to the boiler.

2. Although there will be but about 2400 feet of radiating surface it will be advisable to use a boiler rated for 3000 to 3200 square feet or better yet to take two of one-half the above capacity, as one will suffice in mild weather, and it might save a large loss if one boiler should give out to have another in reserve.

3. There will be no difficulty in heating the greenhouses if the boilers are placed in the cellar of the dwelling if the top of the boilers is one foot or more below the returns. L. R. TAFT.

Springfield, Mass.

The annual sweet pea show of the Hampden County Horticultural Society, held August 1 and 2, was not up to previous years, owing to the unfavorable season, but was, nevertheless, a greater success than had been anticipated. As is not unusual, the exhibit of W. T. Hutchins, Indian Orchard, was the finest in the hall. Mrs. Chas Larrowe, of Cohocton, N. Y., won the Eckford cup for the best display of Eckford novelties. The eight sorts are Sadie Burpee, Lady Grisel Hamilton, Lady Skelmersdale, Mrs. Dugdale, Hon. F. Bouverie, Contess Cadogan, Duke of Westminster and Othello. W. J. Eldred was the largest prize winner and F. A. Blake was on hand with a large winning collection. G. H. Lapham and Ralph Perkins were other successful exhibitors. A. B. Howard staged his Howard's Star petunia in fine form and Mrs. W. J. Eldred exhibited nasturtiums and L. D. Robinson, dahlias.

Butte, Mont.

Business for the season continues fair, weddings and funerals causing considerable demand. Sweet peas and asters are of extra quality.

Elmer Law is making a tour of the east, where he expects to meet Mrs. Law, who has been visiting there for the past two months.

Miss Nellie Fudge has accepted her old position with Law Bros. & Day, who will shortly move into their new and commodious store. M. W.

Greenhouse Building.

Marion, Ind —Gunnar Teilmann, rebuild propagating house.

Waterbury, Conn.—Alex. Dallas, two rose houses.

Cincinnati, O —George & Allen, one house.

Westfield, N. J.—Chas. Doerner, carnation house, 20x100; show house for palms.

Springfield, Ill.—Louis Unverzagt, rebuilding three houses.

Blue Island, Ill.—Heim Bros., carnation house 12x300.

Bala, Pa —The Country Club, house 12x230, to cost $3,000.

Sterling, Ill.—F. A. Belt, one rose house.

Escanaba, Mich.—C. Peterson & Sons, house 18x70.

Media, Pa.—W. H. Mattson, house 24x100.

Worcester, Mass.—H. F. A. Lange, range of five houses. H. Book, two houses.

Mitchell, S. D —E. C. Newbury, palm house 16x32 and rose house 32x100.

Cincinnati, O.—E. W. Mack, rebuilding three houses 15x50. R. Witterstaetter, carnation house 20x100.

Chicago, Ill.—Stollery Bros., carnation house 16x72. Swain Nelson & Sons, rebuild house 16x60.

Rochester, N. Y.—J. B. Keller & Sons, two violet houses.

Purcellville, Va.—A. B. Davis & Son, six houses 25x125.

Leonia, N. J.—W. H. Eicks, violet house 18x100.

Grand Rapids, Mich.—Mulick Bros., one house. Crescent Avenue Floral Co., two houses.

Akron, O.—S. J. Dibbs, greenhouse 22x100.

Galena, Ill.—B. F. Vandervate, house 24x150.

Oxford, Pa.—L. D. Miller, two houses 22x100.

Batavia, Ill.—Williams & Sons Co., one greenhouse.

Belmont, Cal.—The McLellan Co., rose house 20x100.

Burlingame, Cal.—W. E. McLellan & Co., rose house 12x100, carnation house 10x200.

Oakland, Cal.—Domoto Bros., two palm houses.

Owosso, Mich.—J. S. Schleider, conservatory.

Carlisle, Pa.— H. W. Lehman, two houses.

Ridgewood, N. J.—A. V. D. Snyder, rebuild range, add house 18x100.

Kendal Green, Mass.—Theo. F. Dwight, one conservatory.

South Sudbury, Mass.—James Tulis, two carnation houses.

Wrentham, Mass.—Dan'l Brown, grape house 100 feet long.

Mystic, Conn.—H. H. Fitch, one carnation house, one violet house.

Woonsocket, R. I.—W. H. Flye, one conservatory.

Manchester, N. H.—Dr. D. W. Cooley, greenhouse 40x100.

Philadelphia, Pa.—Henry C. Dillmore, house 16x80.

Pittsfield, Mass.—L. W. Achison, commercial house 30x50.

Melrose Highlands, Mass.—John Walsh & Son, palm house 25x110, carnation house 20x125.

St. Joseph, Mo.—D. N. Myers, one greenhouse.

Louisville, Ky.—Chas. Rayner, carnation house 20x300. Nanz & Neuner, rebuilding five houses 20x150. Joseph Coenen & Co., rebuilding two houses 20x80. Geo. Shulz, range of commercial houses.

OBITUARY.

JACOB FREYTAG.

Jacob Freytag, one of Milwaukee's pioneer florists, died Thursday morning, August 10. He had been in business in Milwaukee for thirty-two years and was one of the most prominent and successful florists in Wisconsin. He leaves a wife and grown up family in good circumstances. Mr. Freytag had been in poor health for several years and the business has been conducted by his son William, who will succeed his father.

HENRY BREITENSTEIN.

Henry Breitenstein died at his home in Pittsburg August 1. He was born in Germany about forty years ago, and came to this country when young. At an early age he showed great musical talent and studied under some of the most famous German masters. He was a personal friend of Emile Sauer, and in his younger days associated with Paderewski. He was obliged to give up music on account of his failing health, but was the composer of several songs, which have been favorably mentioned by critics of national reputation.

JAMES GALLOWAY.

James Galloway, whose death at the advanced age of 78 years took place on July 23, was one of the few remaining pioneers of the florist business in Baltimore. He was born August 10, 1821, in Kirkcaldy, Fifeshire, Scotland. In his twentieth year he came to Baltimore and engaged with his uncle, William Stobie, who had a garden and greenhouses about where the First Presbyterian church now stands, corner Park and Madison streets. After two or three years he went to Dr. Edmondson's place as head gardener. From there he went to the place of Mr. Wm. Tiffany. Having a distaste for private places, he, after a short time, engaged in business for himself, renting the greenhouses at the Clairmount Nursery. He next leased ground at Ross and Dolphin streets and started a florist business which he carried on with success for twelve years, until the outbreak of the Civil War, but which he abandoned for a market garden on the Belair road. This he rented from the Ready estate, and here he remained fifteen years, until he purchased the place on Gorsuch avenue and Old York road, Waverly, where he spent the last twenty-three years of his life. He married, while with Mr. Stobie, Miss Isabel Truesdale. They had five daughters, two of whom, Mrs. Chas. Ricker and Mrs. Wm Christie, survive him. His son-in-law Wm. Christie, who carries on the business, has been associated with him for the past thirteen years. Of unassuming manner and conservative and careful in business, few but his most intimate friends knew the sterling character and practical ability concealed beneath his quiet and unpretentious exterior. MACK.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—As foreman by a good all-around florist; 6 years foreman in present place. Address A. C., care American Florist.

SITUATION WANTED—By young florist, 10 years' experience on private and commercial place; reference Address R. S. care American Florist.

SITUATION WANTED—Carnation specialist is looking for position on good commercial establishment. Good references. W H D, care Am. Florist.

SITUATION WANTED—With privilege of buying or taking partnership in small greenhouse business, if agreeable to both parties. Address Box 95, Gueston, Va.

SITUATION WANTED—By a first class grower of cut flowers, palms, ferns, everlasmens, etc. Also a good decorator, designer and salesman; 15 years experience; age 30; single. Address H. SCHUMANN, 195 W. 16th St., Chicago.

SITUATION WANTED—By practical florist of 15 years' experience in this country; good grower of cut flowers and plants; competent to take charge. No situation wanted where vegetables are grown or only one man is employed. Single German; references. Address W, care American Florist.

WANTED—To buy or rent, with privilege of buying, greenhouse establishment; 3,00 to 10,000 feet of glass State lowest cash renting and buying price. Address GROVE L. TYLER, Gunston, Va.

WANTED—On a place of 55,000 feet of glass, an assistant foreman; a quick cut flower and bedding plant propagator and competent to take charge of bedding department B, American Florist.

WANTED—Immediately, a first-class florist and gardener to take charge of a small greenhouse and garden A married man, and one who speaks English well preferred. Can take place at once. Address JOHN CORBETT, Mt Sterling, Ky.

WANTED—Good all-around man on commercial place to propagate roses, general greenhouse stock and to take care of the houses. Must be sober, reliable and willing to do general work about the place. Steady place for the right man. state wages and references. J. E. JACKSON, Gainesville, Ga.

FOR SALE OR RENT—4 greenhouses and dwelling; good retail stand. A. CLAUS, Springfield, Ill.

FOR SALE—Fifty boxes 12x16 A glass single thick; also 1750 feet 1¼ inch steam pipe Address W. C. GROVES, Topeka, Kan.

FOR SALE—20 boxes double strength B glass 16x24. New at $4 25 F. O. B. Morrison, Ill. Address C. D. GALLETINE, Morrison, Ill.

FOR SALE—Two greenhouses and dwelling; good retail stand; stock fresh and up to date. Established ten years; all rebuilt new of cypress. Reason for selling, poor health. VICKERY, Pawnee City, Neb.

FOR SALE—First-class, old established retail store on north side, Chicago. Reason for selling, have other business in which greater capital is invested. Will sell very reasonable if taken at once. Address BARGAIN, care American Florist.

TO LET—Six miles from Boston Flower Market: Four commercial greenhouses and garden close to depot at Central Station, Mass, on West Roxbury branch R. R. Rent, $15. Key at depot or address owner, A. PIGUET, 96 Ellery St., Cambridge, Mass.

FOR SALE.

3000 feet 4-inch second-hand pipe at 14 cts. per foot.

425 feet 5-inch pipe, new, at 18 cts. per ft.

REINBERG BROS.,

51 Wabash Avenue. CHICAGO.

NOTICE.

The Annual Meeting of the Members of the Florists' Hail Association will be held at Harmonie Hall, Detroit, Mich., on August 15th, 1899, at 2:30 P. M., for the purpose of electing two Directors and transacting necessary business.

JOHN G. ESLER, Sec'y.

NOTICE

—OF—

STOCKHOLDERS' MEETING.

CHICAGO, July 15, 1899.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Cadillac Hotel, Detroit, Mich., Thursday, August 17, 1899, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

THE SYPHON REFRIGERATOR FOR FLORISTS.

(PATENTED.)

MANUFACTURED BY **The White Enamel Refrigerator Co.,** ST. PAUL, MINN.



WHITE ENAMEL REFRIGERATOR CO., St. Paul, Minn.

DEAR SIRS:—Since using your ice case in our retail flower department we have saved 30 per cent in the consumption of ice. Our saving in flowers we cannot accurately determine, but should estimate conservatively 25 per cent. Not only this, flowers keep with us as they never did before and retain their salable appearance longer. Your box is certainly a boon to the florists and we predict a wonderful sale on them, especially to the florists, when their qualifications become known.

Yours truly,

L. L. MAY & CO.

ST. PAUL, MINN., December 8, 1898.

WHITE ENAMEL REFRIGERATOR CO., St. Paul,

GENTLEMEN:—The flower refrigerator show case which you put up for us two months ago has proved a big money maker to us.

It has given perfect satisfaction and has done everything you claimed for it.

We can regulate the temperature to whatever point we want it, from almost freezing up.

We are thoroughly satisfied with it.

Yours respectfully,

HOLM & OLSON.

ST. PAUL, MINN., December 8, 1898.

THIS REFRIGERATOR WILL BE ON EXHIBITION AT THE CONVENTION HALL IN DETROIT, MICH., AUG. 15th TO 18th. WE INVITE INSPECTION.

GOING TO
The Detroit Convention
OF THE
Society of American Florists,
AUGUST 15-18, 1899.

Be sure and purchase your tickets from Chicago and the west via the

Grand Trunk Railway System.

First-class accommodations and quick service. Rate one and one-third fare, on certificate plan, making round trip rate from

Chicago to Detroit and Return $9.70

For further particulars apply to

J. H. BURGIS,
C. P. & T. Agent, 249 Clark St., cor. Jackson Boulevard, Chicago.
DEPOT:
Dearborn Station, cor. Polk and Dearborn Sts.

Bouvardias and Other Stock.



FREE to ALL.

Our Illustrated Catalogue of ROSES, PLANTS, SEEDS, BULBS and ROOTS, GRAPE VINES, SHRUBS, ETC., will be mailed FREE to all applicants. It will pay to examine it. 60 greenhouses. Goods guaranteed to be first-quality. Established 1850.

NANZ & NEUNER, Florists
Louisville, Ky.

	Per 100
Pres. Garfield, fine plants, 2½-in. pots	$4.00
A. A. Neuner, " "	4.00
Hogarthii fl. pl., Flavescens, Rosea Multiflora, Pres. Cleveland, The Bride, Vreelandii, Humboldtii, strong, thrifty plants, 2½-inch pots, - -	3.00
Sweet Alyssum, large flowering, for winter blooming, - - -	2.50
Begonia Rex, thrifty plants, 3-in. pots,	4.00
Hibiscus, fine stock plants, 4-in. pots,	8.00
Roses, fine asst., 3½-in. pot plants,	5.00
" extra strong Beauties, -	8.00
Violets, California, strong 2-in. pots,	$3.00
" " field-grown plants,	6.00

☞ Let us give you figures on fine field-grown stock for Fall delivery, such as **ROSES, CARNATIONS, Etc.** Address

NANZ & NEUNER, Louisville, Ky.

Do You Look for Palms?

Then watch our trade exhibit at the Convention.

Only Chicago Florist awarded medal on palms at World's Fair.

ALBERT FUCHS, 2059-73 North Halsted Street, Chicago.

HARDY CUT FERNS



FANCY DAGGER

IN 1000 LOTS, AT 75 Cents PER 1000.

Discount on large lots.

Also dealer in Sphagnum Moss, Bouquet Greens, Chrislmas Trees, Etc , Etc.

L. B. BRAGUE, Hinsdale, Mass.

Mr. and Mrs. Brague will be pleased to meet all old customers and friends at the Convention.

HOW TO BUILD AND HOW TO HEAT GREENHOUSES

Full details for all kinds of houses will be found in "GREENHOUSE CONSTRUCTION," by L. R. TAFT.

How to Grow ROSES, VIOLETS and other Flowers, Vegetables and Fruits under Glass, is fully explained in

"GREENHOUSE MANAGEMENT,"

400 pages, illustrated, with latest information regarding treatment of insects and diseases, use of fertilizers, etc.

For either of these books, postpaid, send $1.50 to

L. R. TAFT, AGRICULTURAL COLLEGE P. O., MICH.

Wholesale Flower Markets

CINCINNATI, Aug. 10.

Roses, Bride, Bridesmaid	2 00@ 3.00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3 00
Carnations	.50@ 1.00
Asters	1.00@ 3.00
Sweet Peas	.25
Gladiolus	3 00
Tuberoses	3 00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Aug. 10.

Roses, Beauty	4.00@20.00
" Bride, Bridesmaid, Meteor	2.00@ 4.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1 50
Smilax	12.50
Adiantum	1.00
Asparagus	50.00@75.00
Sweet Peas	.25

MILWAUKEE, Aug. 10.

Roses, Beauty, long, per doz.	2.00@ 3.00
" " medium " "	1.25@ 1.50
" " short " "	.75@ 1.00
" Bride, Bridesmaid	2 00@ 4.00
" Perle	2 00@ 3.00
" Meteor	3.00@ 5.00
" Kaiserin	3.00@ 5 00
Carnations, fancy	1.50
" good stock	.50@ 1 00
Gladiolus	2.00@ 3 00
Sweet Peas	.10@ .15
Harrisii	8 00
Auratum	12 50@15 00
Asters	.50@ 1.00
Adiantum	.75@ 1 00
Common ferns	.25
Smilax	12.50@15.00
Asparagus	60.00

PITTSBURG, Aug. 10.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	4 00@ 8.00
" Niphetos, Perle	2.00@ 4.00
Carnations, short stems	.50
" long "	.75@ 1.50
Lily of the valley	3 00@ 4 00
Smilax	15 00
Adiantum	.75@ 1.00
Hardy ferns	.25
Galax leaves	.20
Asparagus	40.00@50.00
Sweet Peas	.20@ .50
Asters	.40@ 2 00
Gladioli	1.00@ 2.00
Lilium Speciosum	4.00@ 8.00
Auratum	10.00@15.00

LEO. NEISSEN,

Wholesale Florist,

North First Street, PHILADELPHIA, PA.
(Cor. 13th and Filbert.)

Long Distance 'Phone 3-45-94 D.

The BEST of Everything in its Season.

My new location and commodious quarters with large storage capacity will enable me to handle my rapidly increasing business in the best manner.

WANTED: A CONSIGNOR OF GOOD VALLEY WHOM I CAN DEPEND ON THE YEAR AROUND.....

When writing mention the American Florist.

HAND PICKED GOODS!

....MANETTI STOCKS....

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

.....GALAX LEAVES.....

brilliant bronze and green, from cold storage, $1.25 per 1000.

FORTIN'S GIANT LILY OF THE VALLEY.

price and particulars on application. I am also sole agent for John Peed & Son's Fancy Caladiums and Choice Gloxinias.

A FEW LILIUM HARRISII.....

choice single crowns, 9 to 11, $20 00 per 100; 7 to 9, $85 00 per 1000, $9.00 per 100; 5 to 7, $42.50 per 1000, $4.50 per 100.

Prices of other specialties on application.

Harry A. Bunyard,

42 W. 28th St., New York City.

When writing mention the American Florist.

PITTSBURG CUT FLOWER CO., Ltd.,

WHOLESALE FLORISTS,

Long Distance 'Phone 2157.

Consignments Solicited.

No. 705 Penn Ave.,

FLORISTS' SUPPLIES. WRITE FOR PRICE LIST. PITTSBURG, PA.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

P. O. Box 103, MILWAUKEE, WIS.

FLORISTS

If you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

800,000 FEET OF GLASS.

KELLERBERG BROS.

Wholesale Growers of

CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

Wholesale Price List.

AMERICAN BEAUTY 24-in. stem	per doz.,	$2.50
20 "	"	2.00
15 "	"	1.50
12 "	"	1.25
8 "	"	1.00
METEOR	per 100,	3.00 to 4.00
BRIDESMAID	"	3.00 to 4.00
BRIDE	"	3.00 to 4.00
PERLE	"	2.00 to 3.00
CARNATIONS	"	1.00 to 1.50

Quotations subject to change without notice. All other stock at lowest market prices.

Until further notice we will close at 5:30 P. M. week days, and noon on Sundays and Holidays.

McKELLAR & WINTERSON,

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CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, - - CHICAGO.

We Have the LARGEST WHOLESALE House in Chicago.

OUR SPECIALTIES: **ORCHIDS, HIGH-GRADE ROSES, CARNATIONS and VIOLETS.**

Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

CINCINNATI CUT FLOWER CO.

SUCCESSORS TO

H. L. SUNDERBRUCH CO.

Wholesale Commission Florists

416 Walnut St., CINCINNATI, OHIO.

Consignments Solicited. Special Attention Given to Shipping Orders.



Wholesale Flower Markets

CHICAGO, Aug. 11.

Roses, Beauty, 24 inch	" "	2.50
" " 20 "	" "	2.00
" " 15 "	" "	1.50
" " 12 "	" "	1.25
" " 8 "	" "	1.00
" Bride		3.00@ 4.00
" Bridesmaid		3.00@ 4.00
" Perle		2.00@ 3.00
" Meteor		3.00@ 4.00
Carnations		1.00@ 1.50
Sweet Peas		.10@ .30
Cornflowers		.50
Water Lillies		1.00
Gladioli		1.00@ 4.00
Asters		.50@ 2.00
Mignonette		1.00@ 2.00
Hydrangeas	per dozen	1.00
Golden Rod		1.00
Adiantum		.50@ 1.00
Common ferns		.15
Fancy Ferns		.20
Smilax		10 00@15.00
Asparagus		50.00

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

Lynch WHOLESALE FLORIST.

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E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

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A. L. RANDALL

Wholesale Florist

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Write for special quotations on large orders

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS

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37-39 Randolph Street. CHICAGO, ILL

Illinois Cut Flower Co.

WHOLESALE FLORISTS.

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51 & 53 Wabash Ave., CHICAGO.

E. C. AMLING

Wholesale Cut Flowers

51 Wabash Avenue,

W. S. HEFFRON, Mgr. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

WIETOR BROS.

SUCCESSORS TO

ROGERS PARK FLORAL CO.

Wholesale Growers of **CUT FLOWERS**

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Headquarters For American Beauties. CHICAGO

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PLEASE MENTION US TO OUR ADVERTISERS.

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Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORISTS' SUPPLIES

FLORISTS' VASES.

Horticultural Auctioneers.

N. F. McCarthy & Co.

84 HAWLEY STREET, BOSTON.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Mention American Florist.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

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J. D. McBEATH, N. E. P. A., 5 State Street, Boston, Mass.

C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

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Business Methods

are right you can make a profit on an advertisement here.

THE AMERICAN FLORIST'S

COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St. Chicago

Wholesale Flower Markets

PHILADELPHIA, Aug. 9.

Roses, Tea	2.00@ 3.00
" extra	4.00@ 5 00
" Beauty, extra	8.00@12.50
" " firsts	6.00@ 8.00
" " seconds	2.00@ 5.00
Carnations	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet Peas	.15@ .25
Asparagus	.35 00@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00

BOSTON, Aug. 9.

Roses, Beauty, select	15.00@25.00
" " ordinary	2 00@ 5 00
" Bride, Bridesmaid, Meteor	2.00@ 6 00
Carnations, ordinary	.50@ 1.00
" fancy	1 00@ 1.50
Lily of the valley	2.00@ 3.00
Asters	.40@ .50
Pink Pond Lilies	4.00@ 6 00
Gladioli	1.00@ 4.00
Smilax	8.00@10.00
Asparagus	50.00
Adiantum	.50@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

Mention The American Florist.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

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1604 LUDLOW STREET.

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY ON the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—

Wellington St., Covent Garden, London, England.

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

CAPE FLOWERS. CYCAS LEAVES.

FRESH CROP, THEY ARE VERY GOOD; per pound, $1.00.

OURS RIVAL THE BEST IN THE MARKET. 16-20 in. $1.40; 21-24 in. $1.70; 25-28 in. $2.00; 29-30 in. $2.30; 33 36 in. $2.65; 37-40 in. $3.00; 41-41 in. $4.00; in packages of ten leaves.

Imported Metal Designs, just received latest, attractive styles, from 35c upwards. Write for catalogue.

AUGUST RÖLKER & SONS, 52 DEY STREET, NEW YORK.

Please mention the American Florist to our advertisers.

Top Grade

BEAUTIES, BRIDES, BRIDESMAIDS.

LILY OF THE VALLEY and METEORS, for summer shipments.

Extra Carnations.

New Telephone No. 1998 Madison Square.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.

J. K. ALLEN,

...Wholesale Florist...

SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.

New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.

43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,

WHOLESALE FLORIST

New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*

Roses shipped to all points. Price List on application.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.

Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

....30 West 29th Street.

New Telephone No. 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. NEW YORK.

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist.

Now Ready!

The American Florist Company's..

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY

324 Dearborn St., CHICAGO, Ill.



Write for Prices on

HARDY CUT FERNS.

LAUREL FESTOONING $5.00 per 100 yards. | PRINCESS PINE $5.00 per 100 lbs.

And all FLORISTS' HARDY SUPPLIES.

CROWL FERN CO., Millington, Mass.

Telegraph Office, New Salem, Mass.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 9.

Roses, Beauty select	10.00@25.00
" ordinary	2.00@ 5.00
" Bridesmaid, Bride, Morgan	.50@ 2.00
" Kaiserin, Meteor	2.00@ 6.00
Carnations	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	1.00@ 2.00
Auratum lilies	3.00@ 6.00
Gladioli	1.50@ 2.00
Asters, per hundred bunches	1.00@ 3.00
Cattleyas	40.00@50.00
Smilax	5.00@ 8.00
Asparagus	25.00
" Sprengeri per doz. bunches	1@2
Adiantum	.50

BUFFALO, Aug. 10.

Roses, Beauty	3.00@25.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1.00
" fancies	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Lilium Auratum	8.00@12.50
" Speciosum	5.00@ 6.00
Asters	.50@ 1.50
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00
Sweet Peas per bunch	.02@ .06
Gladiolus	2.00@ 3.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

Edw. C. Horan, WHOLESALE FLORIST,

47 West 28th Street, NEW YORK.

New Telephone No. 421 Madison Square.

CAN FILL YOUR ORDERS FOR FINE

BEAUTIES, BRIDESMAIDS, BRIDES and CARNATIONS.

Write for Price List. Notice New Number.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES SWEET PEAS LILIES

JULIUS LANG

53 WEST 30th STREET NEW YORK

CARNATIONS Tel. 280 Madison Sq

Mention the American Florist.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

M. A. HART,

Commission DEALER IN Cut Flowers,

44 WEST 29TH STREET, NEW YORK CITY.

THE BEST MARKET IN NEW YORK.

'Phone 325 Madison Square.

Ford Bros...

Wholesale Florists

111 West 30th Street, NEW YORK.

Consignments Solicited. 'Phone, 157 Madison Sq.

Galax Leaves

For Summer Use in Cold Storage.....

Write the INTRODUCER,

HARLAN P. KELSEY,

1106 Tremont Bldg., BOSTON, MASS.

Mention American Florist.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 16 cents per square inch.

THE AMERICAN FLORIST CO., ...324 Dearborn St., CHICAGO.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres.; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

H. W. BUCKBEE is making a trip to California.

VISITED CHICAGO: J. L. Ullathorne, of the Ullathorne Seed Co., Memphis, Tenn.; F. Barteldes, Lawrence, Kans.

LAWN mowers and garden tools generally will advance twenty to thirty per cent for 1900.

AT the moment of going to press report reaches us of the death of E. Livingston, of the Livingston Seed Co., Columbus, Ohio.

TUBEROSE growers say they have had too much rain; the bulbs have suffered and are not looking as well as they should at this date. They think it is too late to expect a full crop of first size bulbs.

THE American Wholesale Seedsmen's League met at the Astor House, New York city, August 2, and completed their temporary organization. Plans were outlined and formulated for discussion and consideration by full membership when completed. Among the firms represented were D. Landreth & Son, Robt. Buist, J. M. Thorburn & Co., Cleveland Seed Co., Plant Seed Co., J. B. Rice & Co., Weeber & Don, W. Atlee Burpee & Co., Vaughan's Seed Store, Jos. Breck & Son, F. W. Barteldes & Co., S. F. Leonard, Johnson & Stokes and Goodwin, Harries Co.

ROCKFORD, ILL.—Hereafter the Buckbee seed interests in this city will be conducted under two separate heads, incorporation papers having been issued by the secretary of state. H. W. Buckbee, Rockford Seed Farms, Forest City Greenhouse is the title of the first. This corporation is capitalized at $25,000. The incorporators whose names are given are Mr. and Mrs. H. W. Buckbee and T. E. Buckbee. The other corporation is to be known as the Rockford Seed Co., with a capital of $20,000. The incorporators are Chandler Starr, L. L. Morrison and John C. Dunn.—*Rockford (Ill.) Register, August 1.*

The Seed Crops in Germany.

Under date of July 15 we have the following information from Quedlinburg: Head lettuce at present very good; cabbage and kohlrabi medium; Savoy cabbage promises to be a good crop; kale, radish and turnips good; cucumbers good, although somewhat backward; carrots poor, a great many bare spots having been noted in the fields; mangel wurzel medium and indications are that last year's prices will prevail, with the possibility of an advance; peas very good and beans so far look well. In flower seeds asters, stocks and pansies are all good.

Detroit.

CONVENTION DETAILS ARE ARRANGED.—LADIES TO RENDER VALUED ASSISTANCE.—LARGE ATTENDANCE ASSURED.—TRADE EXHIBIT TO ECLIPSE ITS PREDECESSORS.—A NEW RETAIL STORE.—JOTTINGS.

What assumed the proportions of a fair sized national convention took place in Harmonie hall on Wednesday evening. All the members of the Florists' Club, active and honorary, were present with their wives, sisters and daughters, for this was a ladies' meeting, called for the purpose of arranging the details of their work for the reception and entertainment of the great number of their sex expected to come to the convention. Reports from all parts indicate the largest attendance in the history of the society. The fame of our beautiful city seems to have reached florists everywhere, and the opportunity to see it is gladly taken.

The Evans Challenge trophy, and a beautiful and valuable one it is, is on exhibition in Sullivan's window and is viewed with interest and admiration by thousands who wish us success in our efforts to keep it here.

The trade exhibit will be without doubt the largest ever made. This is already an assured fact. Applications for space are still coming in and some exhibits are already here. As large as the exhibit hall is, every available foot will be occupied, as well as adjacent corridors.

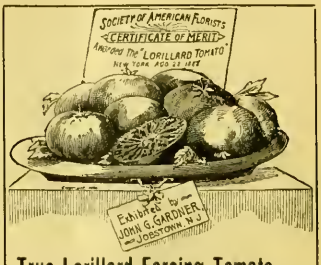
Frank Danzer has rented half the store at 228 Woodward avenue and will open for business about September 1. Mr. Danzer is a Detroit man, having lived here many years, part of the time having charge of the Michell greenhouses on Grosse Isle, but for the past four years has had charge of the floral department of the Livingston Co., Columbus, Ohio.

Mrs. H. Flammer has just returned from a few weeks' visit at Jackson.

Peter Crowe and wife, of Utica, N. Y., are already here.

LINCOLN, NEB.—C. L. Chapin, of Chapin Bros., read an excellent paper entitled, "Do Flowers Pay?" before the Nebraska State Horticultural Society at its recent meeting at Johnson.

NEW YORK.—Mrs. T. G. Hallinan, widow of the late T. G. Hallinan, is on a visit to her parents at Sing Sing. Her manager, Chas. A. Bird, will, on her return, spend two weeks at Saratoga.



True Lorillard Forcing Tomato

Specially saved for my trade by the originator, Mr. Jno. Gardner. Trade pkts. 15c, 25c and 50c free by mail. Bulk price on application.

Sutton's Best of All Forcing Tomato

Large, round, deep scarlet, very prolific. Our own specially selected stock. Trade pkts. 15c, 40c and 75c. Bulk price on application. Stamps accepted for small amounts.

GEORGE C. WATSON,
Seedsman....
Juniper and Walnut Streets,
BULBS. RAFFIA. MUSHROOM SPAWN. **PHILADELPHIA.**

GENUINE DANISH SEED
only direct from
R. WIBOLTT, seed grower
Nakskov, Denmark.
Pricelist on application



Mr Ball Head Miss Snowball
both of Denmark.
Awarded the largest Silver Medal in St. Petersburg in May, 1899.
LILY OF THE VALLEY PIPS.

ESTABLISHED 1802
THORBURN'S
SEEDS
JUST ARRIVED
Fresh Seeds
—OF—

	Per 1000 Seeds
KENTIA BELMOREANA	$4.00
KENTIA FORSTERIANA	$4.00

WHILE UNSOLD.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK



FREESIAS...
Very choice well cured bulbs of TRUE REFRACTA ALBA from our own grower. Yellow flowers have been carefully rouged out of the stock.

	Per 1000
CHOICE SIZE	$7.50
FIRST QUALITY	$6.60

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St.
NEW YORK: 14 Barclay St.

	100	1000
FREESIA REFRACTA ALBA, TRUE WHITE, large bulbs..	$.75	$6.50
FREESIA, pure white, yel. throat	.60	4.75
" " ⅝ to ½-inch	.40	3.00

Price includes delivery on Freesias.
I. IL. HARRISII, EXTRA FINE, 5 to 7-inch 4.50
CALLA AETHIOPICA, 5-7 in. circ. Write for prices.
Send for NEW TRADE LIST.
H. H. BERGER & CO., 47 Barclay St., New York.
Established 1878.

Do not forget to say "saw your ad. in the AMERICAN FLORIST" when corresponding with advertisers

SELECTED STOCK OF
LILIUM HARRISII

	Per 100	Per 1000
5-7..	$5 00	$45.00
7-9..	10.00	90 00
9-11..	20.00	

Roman Hyacinths, Paper White Grandiflora, etc. Write for prices.
AUGUST RÖLKER & SONS, 52 DEY STREET, - NEW YORK.



MAKE
OUR
PLACE
YOUR
HEADQUARTERS

We are always glad to see you.

..EXPANSION..

of our increasing business is best emphasized by our removal to our

NEW CENTRALLY LOCATED FIVE-STORY BUILDING..... **918 Filbert Street,**

where we now have the LARGEST and HANDSOMEST quarters of any Florists' Supply House in America.

Our Moving has taken up all our time and prevented us from making an **exhibit** at the Convention However, our Mr. M. Rice will be there, as usual, and will be glad to see you and give you **"pointers"** and all information in reference to **Florists' Supplies.** Do not fail to have a **talk** with him; you will be **repaid.**

A FEW OF OUR

LEADERS!

Our Famous and Unexcelled.....

Wheat Sheaves,
Palm or Cycas Leaves
(both dull or natural and glazed finish),
New Crop Cape Flowers
(fine and large),
Baskets, Hampers,
Pot Covers,
Plant Stands,
Immortelles, Doves,
Chenille, Foil,
Metal Designs,
Artificial Flowers and Leaves,
Dried Grasses, Etc.

Broad Business Ideas

made the **expansion** of our business necessary. **Up-to-date Florists** keep in close touch with us.

M. RICE & CO.

Importers and Manufacturers of

Florists' Supplies.

918 Filbert St., PHILADELPHIA.

Finest Florist Catalogue for the asking.
Write, Wire, Phone or Call.



OUR NEW BUILDING.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE Czar plum, one of Thomas Rivers' seedlings, has proved itself to be the earliest of its class.

THE Jackson & Perkins Co., Newark, N. Y., is delighted at the hardiness of their new white blackberry, Iceberg.

THE Western Association of Wholesale Nurserymen has appointed a committee, consisting of A. L. Brooke, Peter Youngers and F. L. Schutte, to endeavor to secure a modification of the classification now in force in the Western Freight Association.

T. S. HUBBARD, Fredonia, N. Y., who has recently retired from the nursery business, is one of the highest authorities on grapes in this country. He was the winner of the Wilder medal at a meeting of the American Pomological Society with an exhibit of 157 varieties, the largest collection of grapes ever shown in the United States.

Importation of Nursery Stock.

Frederick W. Kelsey, of New York, has been endeavoring to get at the bottom of the dissatisfaction with the work at the Customs House, and states that matters will be expedited if the following rules are closely adhered to:

First—All cases must be distinctly marked in English letters, with the name of the country whence they are shipped, viz.: From England marked "England," from Holland marked "Holland," etc.

Second—All invoices must specify the contents of each case opposite the marks of each case in invoice.

Third—The contents of each case should indicate the sizes (age if possible) and price of each size, if more than one size and price in a case. Also whether the plants are named, "of sorts," or seedlings

Fourth—Invoices of $100 (U. S. money) or more in amount must have American consul's certificate attached to invoice. Each shipment must be covered by separate invoice.

The Southern Nurserymen's Association.

The Southern Nurserymen's Association met August 1, at the Southern Hotel, Chattanooga, Tenn., and completed its organization, with N. W. Hale, of Knoxville, Tenn., president, W. D. Griffing, of Macclenny, Fla., vice-president and A. W. Newson, of Nashville, Tenn., secretary and treasurer. The attendance was representative of the leading nurseries in fifteen southern states.

The purpose of the organization is, in a large measure, the same as that of the American Association of Nurserymen, but the direct and immediate purpose is to engender closer acquaintance among the dealers in the south, to secure a uniform price for nursery stock, both wholesale and retail, to, if possible, procure from railroads more rapid transportation of nursery stock, and to secure certain changes in the classification of nursery stock; also to get, if possible, a minimum car of 20,000 pounds.

The business looks very favorable in the south, and no doubt there will be rapid improvements in nursery and orchard business throughout all this section. N. W. HALE.



CYPRIPEDIUM

Spectabile and Pubescens

Fine healthy plants; can ship any time; now or in September preferably. Must be ordered now; single crowns or large natural clumps, as desired. The trade supplied in any quantity.

Large assortment of Nursery Stock for fall shipment.

EVERGREEN NURSERY CO.,
STURGEON BAY, WIS.
Former address, Evergreen, Wis.

TO THE AMERICAN FLORISTS' CONVENTION VIA THE WABASH.

The Railroads have granted a fare and one-third to the meeting of the American Florists to be held in Detroit, August 15th to 18th. The direct and popular line to Detroit from Chicago is the Wabash road. We have the following trains:

Leave Chicago 12:02 noon; arrive Detroit 8:10 p. m.
Leave Chicago 3:15 p. m.; arrive Detroit 10:45 p. m.
Leave Chicago 11:00 p. m.; arrive Detroit 8:00 a. m.

Wagner Sleepers and free reclining chair cars on all our trains. It is the only line operating compartment sleeping cars between Chicago and Detroit. For full particulars, sleeping car reservations, etc., call at Wabash Ticket Office, 97 Adams St., or write to F. A. PALMER, Asst. Gen. Pass. Agt., 310 Marquette Bldg., Chicago.

HEADQUARTERS FOR

HARDY ROSES.

We are now booking orders for Roses in large lots at **REDUCED PRICES.** Write for particulars.....

W. & T. SMITH CO., Geneva, N. Y.

Field Grown Roses We are Headquarters for them.

Two year old. On their own roots. Northern grown. Bench-rooted. Full assortment.

Special low contract offers for Fall or Spring delivery.

JACKSON & PERKINS CO., Newark, N. Y.
WHOLESALE ONLY.
J. AUSTIN SHAW, Western Representative, 78 Wabash Avenue, CHICAGO.

HARDY SHRUBS.

Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

HARDY

Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Crabb & Hunter,

VIOLET SPECIALISTS,

Orders booked now for field-grown plants. Write for prices. **Bridesmaids:** a few hundred fine plants cheap, 4-in. pots, $5 per 100. Who wants 'em? **Smilax** from 2½-in. pots, good bush plants, $1.25 per 100.

Grand Rapids, Mich.

WANTED. To exchange a fine lot of 5-year-old clumps of Humii Paeonies, a very large pink, for some good white Peony or will sell cheap for cash.

WILLIAMS & SONS CO., Batavia, Ill.

For Parks, Cemeteries or Private Grounds

We can furnish a very large and superior stock of

FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.

Trees from 1 inch to 3 inches in diameter, all nursery grown and fine shape. Our shrubbery is **YOUNG, THRIFTY and FINE.**

Remember we are headquarters for Nursery stock in the East.

Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.

SATISFACTION GUARANTEED.

Address **STEPHEN HOYT'S SONS,**
NEW CANAAN, CONN.

VIBURNUM.... TOMENTOSUM.

A RARE AND BEAUTIFUL SHRUB.

HERBACEOUS PERENNIALS A SPECIALTY

Price list and descriptive catalogue on application.

We recommend September and October planting of Herbaceous Perennials.

REA BROTHERS, Norwood, Mass.

BEGONIA SOCOTRANA BULBS.

Stroug.....$3.00 per doz.
Stronger..... 6.00 per doz.

Now is the time to get them and start them to have them in good shape for Christmas.

B. Socotrana is one of the parents of the celebrated B. Glorie de Lorraine.....

EDWIN LONSDALE,

Money order office, Chestnut Hill, (Sta. H.) Philadelphia, Pa | Wyndmoor, Chestnut Hill, PHILA.

HOME OF CHOICE TREES and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.

Frank Brunton, Mgr. Catalogue free.

THE BOSTON FERN A Specialty.

$5.00 per 100; $40.00 per 1000. Orders filled in rotation as ready.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

CHEAP== 1,500 ROSES,

VERY STRONG, THREE INCH.

Maids, Brides, Meteors and Perles at $3.00 per 100; $25.00 per 1,000; cash. Will exchange for Carnations or Mums. American Beauty at $5.00.

ALBERT FUCHS, 2059-73 N. Halsted St., CHICAGO.

TREES, SHRUBS AND ROSES...

for public and private grounds, as well as for the orchard, farm, garden or city lot. Our **General Catalogue and Planters' Guide** is beautifully illustrated, contains accurate, trustworthy descriptions of the most valuable varieties, and is replete with practical hints and suggestions indispensable to planters. It is the most complete published, and will be mailed **free** on application.

CHOICE SELECTIONS. BEST GOODS. PRICES REASONABLE.
PREPARE YOUR ORDERS NOW.

☞Trade List issued semi-annually; also sent FREE.

ELLWANGER & BARRY,

Mount Hope Nurseries, *ROCHESTER, N. Y.*

ESTABLISHED FIFTY-NINE YEARS.

AUCTION SALE

August 30

....OF....

60,000 Deciduous Trees,

75,000 Evergreen Trees,

ALSO SHRUBBERY and VINES.

This is a clearing out sale of fine, young vigorous stock; nothing reserved.

Ground must be cleared regardless of price.

Sale begins 10:30 a. m., rain or shine.

☞SEND FOR LIST.

C. RIBSAM & SON

TRENTON, N. J.

NURSERYMEN....

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

METEORS.

Strong, clean stock; **4-in. pots, $5.00 per 100.**

J. W. WILSON, GLENVILLE, O.

AMPELOPSIS ENGLEMANII.

This is the only Ampelopsis which *is entirely satisfactory for cold climate;* it has the clinging qualities of Veitchii, it being a cross between Veitchii and Quinquefolia—no tacking required, will creep over brick, stone or wood, colors beautifully in autumn, by far the most satisfactory vine for northern states. One year plants ready from pots Oct. 1, **$5.00 per 100.**

SPIRÆA ANTHONY WATERER.

This beautiful shrub endured last winter with impunity and was charming all through June and July and is still blooming; foliage variegated, white and green with some pink marks; blooms pink—well adapted for grave covering; will no doubt displace Myrtle (Periwinkle) which was so generally winter-killed last season. Five-inch pot plants, require a shift now, are just right for planting out now to insure a display for next summer, **$15 00 per 100.**

C. B. WHITNALL, MILWAUKEE, WIS.

PRIVET, SHRUBS AND ROSES.

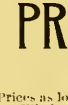
300,000 PRIVET, 100,000 ROSES. 300,000 SHRUBS, 80,000 CLEMATIS PANICULATA. 100,000 AMPELOPSIS VEITCHII, about 50,000 HERBACEOUS PLANTS.

Prices as low if not lower than any in the United States for the same grade of stock. ☞Send for our Wholesale List. POTTED STRAWBERRY PLANTS now ready.

Ampelopsis Veitchii, heavy field grown plants, $50.00 per 1000.

Clematis Paniculata, strong field grown plants, $70.00 per 1000.

ELIZABETH NURSERY CO., 96 Broad Street, ELIZABETH, N. J.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free.

THE **STORRS & HARRISON CO.,** Painesville, O.

OUR NEXT ISSUE

will contain a full report of the Detroit Convention. Advertisements for the same should reach us not later than August 17.

Please Mention Us To Our Advertisers.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Buffalo.

The following score was made August 2:

Name.	1st.	2d.	3d.	4th.	5th.	6th.	Av.
P. Scott			103	214	131	156	152
G. Schmid		129	120	175	187	133	154
Wm. Scott	142	200	116	164	163	117	150
G. McClure	157	139	144	143	129	132	141
W. Scott, Jr	117	130	146	148	146	160	141
Buddenborg		143	110	93	129	107	116
Adams			114	115	104	81	101

At Minneapolis.

The following were the scores of the Twin City Bowling Club on Tuesday, August 1:

Name.	1st.	2d.	3d.	4th.	5th.	Av.
E. Nagel	107	144	160	147	169	154
F. E. Lemke		120	124	183		141
John Monson	126	129	122	166	124	134
Hoppe	126	134	79	129	103	114
J. Hartman	117	122	121	117	93	114
Lynes	89	104	119	95	108	103

At Detroit.

The following are the scores made August 7:

Name.	1st.	2d.	3d.	4th.	5th.	Av.
Pantke	164	246	166	174	185	186
Connor	140	126	149	167	167	149
Ferguson	118	128	109	179	135	134
Beard	122	158	103	101	189	134
Sullivan	113	136	158	137	100	128
Dunn	110	155	146	117	111	127
Watson	133	117	126	173	124	125
Breitmeyer	127	120				123
Flowerday	92	156	86	158	120	122
Taylor	152	108	129	104	107	120
Hupprich	83	130	118	128		114
Holzsagle			84	128	129	113
Pickworth	141	97	100	93	91	105

At New York.

There was plenty of enthusiasm at the New York alleys on Monday evening although several of the war horses that are to serve on the team at Detroit are in seclusion, ostensibly on a vacation, but undoubtedly with their trainers, being put in proper condition for the great set-to. The score board, under official scorer O'Mara, showed the following figures at the finish:

Name.	1st.	2d.	3d.	4th.	5th.	Av.
O'Mara			145	181	151	159
Atkins	130	148	133	158	122	138
Traendly			118	141	140	133
Bunyard			124	123	111	119
Withers			101	92	158	117
Butterfield	96	115	126	96	136	112
W. Siebrecht	154	123	94	89	90	110
Troy	101	105	99	93	128	105

Look like easy marks, don't they?

At Baltimore.

Our annual outing at Electric Park was a most enjoyable affair from beginning to end. To be sure a shower stopped the ball game but our boys had the best of it, 8 to 3, and only one more inning to play. During the shower all adjourned to the bowling alleys and there we stayed until dark. The alleys are all right except that rough play and "lofting" has made the surface very uneven and big scores were impossible. The following was the game played by the regulars and reserves:

REGULARS.				RESERVES.			
Richmond	135	136		E. Kress	177	83	
Binder	188	103		Hy. Lehr	123	137	
W. Lehr	106	123		C. Vogell	74	100	
Halliday	148	129		M. Richmond	152	114	
Seybold	154	197		J. Perry	106	72	
Total	731	688		Total	632	536	

MACK.

On Chicago Alleys.

At Anson's on August 4 many games were rolled, Ed. Winterson making high score with 208. Among those present were A. C. Brown, of Springfield, Ill., and J. C. Vaughan. The latter player made a strike and thinks he is therefore entitled to a place on the Detroit team. With some coaxing the president and captain may be induced to let him go along as mascot. Following are the games and averages:

Name.	No. games.	High game.	av.
P. J. Hauswirth	5	198	173
E. F. Winterson	7	208	142
John Degnan	9	171	141
Walter Kreitling	7	172	141
J. S. Wilson	2	142	138
Alex. Henderson	4	152	132
J. C. Vaughan	2	129	113
M. Barker	4	132	102
A. C. Brown	4	120	83

On Wednesday evening the following scores were made:

Name.	1st.	2d.	3d.	4th.	5th.	Av.
Fred. Stollery	178	165	188	169		175
P. J. Hauswirth	147	161	164	147		155
Geo. Stollery	174	149	157	119		150
C. W. McKellar	130	150	150	146		149
Jno. Degnan	133	139	175	130	121	140
E. F. Winterson	123	140	150	134	141	138
Alex. Henderson	120	94	107	119		125
Walter Kreitling	149	111	124	107	119	122

The team selected to represent Chicago at Detroit is George Asmus, George Stollery, Fred. Stollery, John Degnan, E. F. Winterson and Phil. Hauswirth.

Capitulation of Denver Season.

The following table is a compilation of the Denver bowling records since the organization of the club last fall:

Name.	No. of games.	Total points.	Grand av.
J. N. Jakobsen	43	7096	165
John Berry	100	16432	164
A. E. Mauff	73	11881	162
Donald Scott	15	2422	161
Geo. Erb	3	480	160
Chas. Mauff	60	9474	157
Chas. Meyer	50	7866	157
Robt. Kurth	67	10484	156
Geo. Brenkert	52	8058	154
A. M. Lewis	39	5891	151
Geo. Zimmer	28	4325	150
Chas. Thiess	39	5976	150
M. J. Taylor	39	5832	146
Chas. Webb	39	5602	149
John Ferris	63	9128	144
Perry Gallup	7	1004	143
Gus. Laug	7	989	141
Chas. Franz	46	6459	140
J. A. Valentine	31	4014	125
Emil Glauber	5	609	125
Gilbert Scott	38	4375	115
Theo. Loken	2	204	102
B. O. Byron	4	320	80
H. J. Morris	2	152	76

J. B.

Hot Stuff at Philadelphia.

The game between the team selected to "bring back the cups" from Detroit, as "modest" William, of Buffalo, puts it, and a team of our associate members, who, by the way, are all cracker jacks, was bowled last Thursday night. It was what the associates called hot stuff when they finished their first game, making 997 pins to the florists' 956. Well, the pace they set was a warm one, but the boys pulled themselves together and under the leadership of John Walker, whose name was first on the list, they hit the pace up in the second struggle, until it became too hot for the gentlemen; while the Detroit team was putting up 1005 the associates could only gather 723, which left them forty-one pins short in the two games. They tried hard in the last one but were defeated by ninety-one pins, making a total in the match of 132. Before the game started it was "dollars to doughnuts" on the associates, but "one can't always sometimes tell." It was a great contest and the three games gives each man of our team an average of 162 pins. The associates had an average of nearly 155, which will win eight times out of ten. Walker and Brown were in great form, while Moss and Westcott were not far behind. The other two are not on the Detroit team, being but subs. Here is the score:

FLORISTS.				
Name.	1st.	2d.	3d.	Total.
Walker	181	207	142	530
Kift	155	117	181	453
Westcott	132	171	164	467
Moss	187	176	128	491
Brown	146	198	174	518
Craig	155	136	159	450
Total	956	1005	948	2909

ASSOCIATES.				
Name.	1st.	2d.	3d.	Total.
Starr	145	161	149	455
Archer	180	138	137	455
Peterson	167	130	142	439
Johnson	161	186	143	489
Hamilton	192	168	121	481
Goebel	152	141	165	458
Total	997	923	857	2777

The balls with which the Detroit contest is to be won or lost go out this week so as to get acclimated, as it were. A word of advice to "Modest Bill," don't buy a very large piece of velvet or many spools of the silver wire as prices are high now and they may be down next year or some other year when you will have more use for them.

The following are the averages made in July:

Name.	No. games.	Total.	Av.
Hamilton	46	7547	164
Johnson	51	7997	156
Brown	33	4982	150
Anderson	13	1887	145
Moss	54	7809	144
Starr	38	5457	143
O'Neil	12	1737	143
Walker	33	4711	142
Westcott	44	6128	139
Rust	40	5512	137
Archer	23	3110	135
Habermehl	24	3225	134
Kehle	16	2137	133
Goebel	11	1468	133
Baker	70	9300	132
Kift	33	4348	131
Watson	32	4166	130
McLean	12	1530	128
Harris	10	1278	127
Lamb	11	1325	120
Stoneham	25	2110	84

K.

Cricket at Stoke Pogis.

At the invition of John Gardner, of the Stoke Pogis Farm and Nursery Company, a number of Philadelphia florists accepted his challenge to play an eleven, selected mainly from the employes of the company, a match game at cricket. The contest took place at the Stoke Pogis farm, near Villanova, Wednesday afternoon, August 9, and proved a most enjoyable outing, particularly for the city florists, for in addition to enjoying a bountiful repast they also carried off the honors by winning the game, which surprised them even more than it did the country eleven. John Burton was elected captain of the city team, which contained such sturdy players as Edwin Lonsdale, David Rust, James Thatcher, Geo. Campbell, Geo. Watson, Dr. Goebel and others, who had all played the game in their school days and who showed that they had not forgotten how to bowl and bat. George Watson distinguished himself by catching a difficult fly (he will no doubt speak of it for some time) and others stopped scores of runs by their great sprinting. David Rust was a terror at the bat, making two threes, both long drives. John Gardner's bowling was very effective for his side, as was also Mr. Rand's. Messrs. McFarlan, Dodds, and Goebel bowled for the florists, McFarlan being particularly effective. A corps of ladies under the direction of

Mrs. John Gardner had prepared a bountiful repast, which was thoroughly enjoyed, the ladies taking great pains to see that all were served abundantly. We must not forget to mention, and it may account for the result, that Wm. K. Harris umpired the game for the florists. His decisions were given in that effective parliamentary tone so familiar to members of the Florists' Club. A social hour was spent after the game and in the dusk of the evening the visitors took wagons for the train, returning the cheers of the hosts as they were driven away. A return match is to be played at Chestnut Hill in the near future. The score follows:

FLORISTS.	1st.	2d.	STOKE POGIS.	1st.	2d.
McFarlan	9	14	John Gardner	0	3
Campbell	0	2	John Clemmons	0	3
Dodds	6	13	James Hushen	10	3
Cox	0	0	Ed. Smith	3	0
Goebel	3	1	Geo. B. Gardner	2	1
Duke of York	1	0	Chas. Peacock	1	11
Rust	4	4	T. Moran	0	0
Thatcher	5	4	T. P. Evans	4	1
Kift	0	6	J. Higgins	9	2
Watson	0	0	T. Rands	18	0
Burton	0	1	Moro Phillips	0	4
Extras	6	13	Extras	1	2
	34	58		42	31
Total: Florists	92		Total: Stoke Pogis	73	

K.

At Flatbush.

Thursday evening, August 3, was the date set for a trial of skill on the Flatbush alleys between the local team and the New Yorkers in return for the game played on the latter's alleys the previous week but the New York team failed to appear, Mr. Traendly being the only representative present, so the surplus material was utilized in the emergency and, under the name of the "New York Gardeners," was set up as a shining mark for the Flatbush boys, who are terrors at home but when they cross the river are as timid as hares. The "New York Gardeners" on this occasion were made up of one New York gardener, one New Jersey gardener, one journalist, one literary florist, one commission man and one seedsman, but this is not the first time this very elastic title has had to do service for a very promiscuous lot of material. Here are the scores:

FLATBUSH.

Riley	146	143
Schmutz	142	137
A. Zeller	146	161
Mellis	155	147
E. Dailledouze	197	223
Woerner	125	99
Total	911	913

NEW YORK GARDENERS.

Withers	114	102
Bartholomae	118	130
Donlan	111	113
Traendly	115	139
J. Manda	131	144
Prosser	102	173
Total	691	792

Eugene Dailledouze won the handsome ball presented as a trophy by W. A. Prosser with an average of 179 for ten consecutive games.

Prizes for Bowlers.

In the effort to make the bowling contest of this convention a memorable event a collection of trophies and prizes has been made which should be very nearly sufficient to go around, a favor for each player.

Next in importance to the Evans Challenge cup comes the $75 trophy given by the city officials of Detroit, offered to the team making the highest one game of the tournament. This prize is to be bowled for annually until won twice by the same team, but at the fourth year if no team has won twice it passes into the permanent possession of the winning team. The set of balls offered by the Crawford, McGregor & Canby Co., Dayton, O., also goes to the team making the highest one game.

The Brunswick-Balk-Collender Co., Chicago, offers a set of six unique and appropriate scarf pins, one to each member of the team making the highest score for three games.

The individual trophy is a gold badge valued at $60 offered by the hotels of Detroit, going to the player making the highest one game.

Another individual trophy, valued at $30, given by the officers of Wayne county, Mich., goes to the member of the champion team who makes the best one game.

Tradesmen of Detroit have contributed the following prizes:

A five-dollar hat to the player making the best score for three games.

A five-dollar hat to the player who makes the greatest number of spares in three games.

A box of cigars to the player who makes the greatest number of spares in any one game.

A box of cigars to the player who makes the most strikes in any one game.

A silk umbrella to the player who gets the most pins on his spares in three games.

A box of cigars to the Detroit player who makes best score for three games.

Providence, R. I.

Stock in the field is looking much better than last year, carnations especially. Some growers about here are adopting the plan of growing them in the houses. Mr. Miller, of the Rhode Island Greenhouses, has several houses grown this way; they are looking very promising. The newer varieties are being grown in limited quantity for trial.

M. J. Leach, of Pawtucket, R. I., is building a carnation house 18x130. His stock is looking bright and thrifty. Mr. Leach and wife started last week for a month's vacation to Norfolk, Baltimore and Washington.

Fairbrother & Wood have dissolved partnership. Mr. Fairbrother will continue the business.

Geo. Campbell died last week after a long illness. It was in one of his store windows that our first flower store was started.

The aster disease is very prevalent about here. Some growers are discouraged and will not grow them after this year.

Prof. Fred. W. Card, Kingston, R. I., was a recent visitor.

LITTLE RHODY.



To Make a Ten Strike Start Your Ball Right.

TO make money make the first dollar in the buying. Barnard's Purchasing Department for Florists furnishes information about lowest factory prices on Glass, Pipe, Fittings, Paint, Tools, and other material used by florists. We have already saved our friends hundreds of dollars on such merchandise and thereby earned the good will of the trade. It is an accommodation worth while considering. Write and investigate.

OUR SPECIAL PRICES on FALL BULBS

can be had for the asking. We have a reputation for high grade stock, and sell it at a very close margin. Please try us.

Ready now: Lilium Harrisii, 5-7 $5.00 per 100, $45.00 per 1000. Freesia Refracta Alba (Bermuda grown), 65c per 100, $5.50 per 1000. Oxalis Bermuda Buttercup, $1.25 per 100, $8.50 per 1000.

FANCY STRAIN OF PRIMULA, CINERARIA AND CALCEOLARIA. 50c PER TRADE PACKAGE.

W. W. BARNARD & CO.

Special Preliminary Price List Free for the asking

161-163 E. Kinzie St., CHICAGO.

Send for our Florists' List.

Crop of 1899. Now Ready.

PANSY.

Barnard's Florist Mixture

A high class, up-to-date mixture that fills the bill "par excellence"—made up from the leading colors, producing flowers of the most perfect type. It gives you pansies that sell.

Trade pkt. 25c; ⅛-oz. $1.00; ¼-oz. $4.00; per oz. $7.00. Giant Mixture, trade pkt. 25c; ⅛-oz. 50c; per oz. $4.00.

The Middle West....



From ST. PAUL to the Ohio River.

From TORONTO to KANSAS CITY

can get High Class

Cut Flowers

from October to Easter and get a square deal every time from

ILLINOIS CUT FLOWER CO.,

51 Wabash Ave.,

J. B. DEAMUD. CHICAGO.

Not at the Convention!

But in the

FRONT RANK

for the coming season when it comes to

WHOLESALE Cut Flowers

E. C. AMLING,

51 Wabash Avenue,

W. S. HEFFRON, Mgr. CHICAGO.

EVERY FLORIST

who passes through

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going to or from the Convention is invited to visit the

HINSDALE ROSE CO.

35 minutes from the city. HINSDALE, ILL.,

and convince himself of the excellence of the stock sold by

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76 WABASH AVE., CHICAGO.

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Cut Flowers

41 RANDOLPH ST. CHICAGO, ILL.

Our Mr. Benthey will be at the Convention and will be pleased to arrange to supply your winter shipments of choice stock.

Our Bulb Samples on the Convention Hall Tables have not been "picked for the occasion."

OUR GROWERS PROMISE THAT THEY ARE ONLY A FAIR REPRESENTATION OF THE GENERAL STOCK.

Bulbs!

If you have not purchased your supply of **FORCING BULBS** for the coming season we can

SAVE YOU MONEY on HIGH-GRADE STOCK

Headquarters for—

ROMAN HYACINTHS
CALIFORNIA CALLAS
JAPAN LILIUM LONGIFLORUM
BERMUDA FREESIA ALBA (Pure Strain)
ALL DUTCH BULBS
AZALEAS, ETC., ETC.

Our 10 acres of Cannas at Western Springs, Ill., are now at their best and we shall appreciate a visit from you either on your way to or from the convention.



CALIFORNIA GROWN CALLAS.

Carefully cured, with sound center shoots, now ready for shipment from our New York or Chicago stores.

PANSIES

Vaughan's "International."

Received the only reward for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you.

Price, per oz., $10.00; ⅛oz., $5.00; ¼oz., $2.50; ½oz., $1.50; trade pkt., 50c.

Vaughan's "Giant Mixture."

This mixture is specially made up by us from all the above separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture.

Price, per oz., $4.00; ¼oz., $1.00; ⅛oz., 60c.; trade pkt., 25c.

SPECIAL OFFER. We furnish any five 25c., trade pkts. of Giant Pansies for $1.00.

Vaughan's Premium Pansies Mixed.

Embraces all the varieties of the Fancy German sorts. We have sold this mixture for the past fifteen years and it has given general satisfaction.

Per pkt., 25c.; ⅓oz., 80c.; ½oz., $3.00; oz., $5.50.

CHICAGO PARKS BEDDING PANSIES, "Choice Mixed"—in many colors. Pkt., 10c.; ¼oz., 30c.; oz., $1.00; 4 oz. for $2.00.

Giant White, Giant Yellow, Giant Beaconsfield, Giant Striped, Giant Emperor William, Giant Paris Market.

Each, per trade pkt., 25c.; (any 5 for $1.00) ⅛ oz., 35c.; oz., $2.00.

Giant Bugnot. Our strain of this is of exceptionally good quality, none better.

Trade pkt., 25c., ⅛ oz., 75c., oz., $5.00.

Vaughan's Columbian Cinerarias

This mixture is this year finer and more complete than ever.

This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors.

Columbian Cinerarias. This is the best mixture in existence; per trade pkt., about 1000 seeds, 50c., 3 pkts. for $1.25.

Cineraria Hybrida, large flowering mixed, trade pkt., 25c.

Cineraria Hybrida Nana, large flowering dwarf, mixed trade pkt., 25c.

Cineraria, large flowering double mixed, trade pkt., 50c.

Cineraria, large flowering double white, trade pkt., 50c.

Calceolaria Hybrida. Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties, and we know it will give entire satisfaction. Trade pkt., 1000 seeds, 50c.

Cyclamen, Giant Flowered

Cyclamen Persicum Giganteum Splendens.

We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors.

	100 seeds.	1000 seeds.
Mont Blanc, pure white	$.75	$5.00
Deep Crimson, very large	.75	5.00
Rosa von Marienthal, pink	.75	5.00
White, Carmine Eye	.75	5.00
Giant Flowered Sorts best mixed, ⅛ oz., $150	.50	4.50

Gloxinia Hybrida, Vaughan's Mixture.

This mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and includes such new sorts as Emperor William and Frederick, Princess Louise, Defiance, etc., and we know that better seed is not to be had at any price. Trade pkt., 1000 seeds, 50c.; 3 pkts. for $1.25.

Chaler's Prize Hollyhocks.

Our seed of this has been saved from the finest and largest double flowers only and will produce flowers extremely double and in the best, brightest and most distinct colors.

Sow now

Double Pure White, ¼ oz., 25c; 1 oz., 75c; trade pkt., 10c.

Double Yellow, Pink, Purple, Red, Rose, Salmon, Crimson, each, ¼ oz., 25c.; 1 oz., 75c; trade pkt., 10c.

Chaler's Prize Hollyhocks, double mixed, ¼ oz, 25c.; 1 oz., 75c.; trade pkt., 20c.

Double Hollyhocks, good mixed, ¼ oz., 20c.; 1 oz., 60c.; trade pkt., 10c.

Vaughan's International Primula Mixture.

This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. It contains some of the Giant sorts, some Fern-leaved, some blue; also some with dark leaves and stems. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone.

Price for International Mixture, { Pkt. of 350 seeds, 50c; 5 pkts., 1750 " $2.00; Per 1-16 oz....., 2.50

Vaughan's Seed Store, 84-86 Randolph Street, CHICAGO. 14 Barclay Street, NEW YORK.

PHILADELPHIA, Aug. 19th, 1899.

On and after this date and until further notice my celebrated

DIAMOND BRAND W. P. **MUSHROOM SPAWN**

will be sold at the following reduced prices

$7.00 per 100 lbs., $65.00 per 1000 lbs.

50 at 100 rate, 500 at 1000 rate; 25 lbs., $2.00, 10 lbs., $1.00. Sample bricks, about 1¼ lbs., 15c each; if wanted by mail, add 8c. per lb, to above prices.

I have succeeded in making such favorable arrangements that the increase of duty is now largely neutralized and the above low rates are the result, while the quality is of the same high grade as heretofore.

ABSOLUTELY UNSURPASSED.

New shipment on or about August 25th and every other steamer thereafter during the season. Have your order in early to insure timely delivery.

GET YOURSELF POSTED.

"How to Grow Mushrooms," my 24-page booklet, on culture, free to buyers or intending buyers (to others, 10c.); "Robinson's Mushroom Culture," by mail postpaid, 50c.; Falconer's "Mushrooms: How to grow them," by mail postpaid, $1.50—all of them a good investment even to the initiated and indispensable to others.

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GEORGE C. WATSON, Bulbs For Florists A Specialty.

TRADE W. P. MARK. IMPORTER AND EXPORTER OF..... SEEDSMAN.

Fancy Grasses, Flower & Vegetable Seeds, Bulbs, Mushroom Spawn, Raffia

AND FORCING STOCK.

Office and Salesroom Juniper, bel. Walnut St., **PHILADELPHIA, PA., U. S. A.**

GENERAL AGENT STOKE POGIS NURSERIES.

FRESH TOBACCO STEMS, $9.00 TON. WATSON'S STRICTLY PURE BONE MEAL FOR FLORISTS, $30.00 TON.

HARDY PINKS

HER MAJESTY, SOUV. DE SALE, GERTRUDE, LAURA WILMER, ALBA FIMBRIATA, 2½ inch, $4.00 per hundred.

VIOLETS: Marie Louise, Russian, Swanley White, Sheenbrun, 2½-in. $3.00 per hundred.

The Conard & Jones Co., West Grove, Pa.

GERANIUM AMERICA

is in full bloom just now; color effect in full sun is of deepest clear rose. Sun proof, you bet; dwarf, yes, very dwarf.

READY NEXT SPRING. **HENRY EICHHOLZ, Florist,** WAYNESBORO, PA.

CHRYSANTHEMUMS.

Standard varieties nearly sold out. See AMERICAN FLORIST of July 20th

.....for novelties.....

H. WEBER & SONS, Oakland, Md.

ANTIGONON LEPTOPUS.

1st size, heavy roots.....per 100, $3.00
2d size, medium roots..... " 1.50
3d size, stocky little plants, ready for 2½ or 3-in. pots, postpaid..... 1.25
SEED of Antigonon Leptopus, 75 cts. per lb. Over 5 lbs., at 50 cts. per lb.

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Fall Bulbs Of All Kinds

Write for quotations on your wants now. Should you not receive our list, notify us and same will be mailed.

FULL LINE OF ALL

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PRIMROSES NOW READY

			Per 100
PRIMULA (Chinese)	ALBA	2½-in.,	$2.00
" "	RUBRA	"	2.00
" "	fern leaf, mx.	"	2.00
" "	mixed	"	2.00
" JAPONICA	ALBA	"	2.00
" FLORIBUNDA,	yellow	"	2.00
" AURICULA,	mixed	"	2.50
CINERARIA HYBRIDS,	mixed	"	2.00
PETUNIAS, double fringed,	mixed	"	3.00
"	ruffled,	"	2.00
GERANIUMS, 20 varieties,	mixed	"	2.00

			Per 100
FUCHSIAS, 10 varieties,	mixed	2½-in.,	$2.00
HYDRANGEAS,	mixed	"	3.00
ASPARAGUS PLUMOSUS		3½-in.,	7.00
"	SPRENGERII	"	7.00
LYCOPODIUM DENT.		2½-in.,	2.00
SMILAX, strong		"	2.00
" "	from flats	"	.50
BEGONIAS, flowering, 10 varieties named			2.00
" "	mixed		1.50

200,000 PANSY PLANTS, ready September. 5 plants at 100 rates. CASH, no discount.

NEW GERANIUM, De Roo Mitting, 2½-in..... Per doz., $1.00
" **YELLOW BABY PRIMROSE,** better than the Purple Baby Primrose, 2½-in..... " 1.00
CARNATIONS, field grown—Empress, Evelina, Psyche and John Young..... Per 100, 4.00

YEARLY CAPACITY, 1,000,000 PLANTS.

THE MORRIS FLORAL CO., Morris, Ill.

CINERARIA	CYCLAMEN	PRIMULA	PANSY
Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.	Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.	Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.	Rolker's Giant, $5.00 oz.; ⅛ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 32 Dey St., New York.

We Call Your Attention

...to Our Stock...

Palms, Ferns, Dracænas, Pandanuses, Cycas, Ficus, etc.

Our Stock this season is the largest and finest we have ever had, and that is saying something.

SEE SAMPLES AT THE CONVENTION.

SOME OF OUR SPECIALTIES:

Nephrolepis Bostoniensis; the finest stock in America.

Crotons. Perfect plants; unequaled anywhere.
4-inch pots, $25.00 per 100
5 " pots, $50.00 per 100
6 " pots, $100.00 per 100

Dracænas; extra large and fine stock of best varieties, including: Terminalis, Striata Grandis, Amabile, Baptistii, Norwoodiensis, Imperialis, etc.

Acalypha Sanderi. Strong plants from 4-inch pots, ready for shifting, $25.00 per 100. These plants will make grand specimens for fall decorations.

Livistonia Rotundifolia.
6 inch pots, $100.00 per 100
7 " pots, $18.00 per dozen

Cyclamen; a grand strain.
4-inch pots, strong, $20.00 per 100

Bougainvillea Sanderii.
3-inch pots, strong, $12.00 per 100
4 " pots, strong, $25.00 per 100
5 " pots, strong, $40.00 per 100

Fine Plants for Easter.

Ficus Elastica. Fine plants.
4-inch pots, $25.00 per 100
6 " pots, 50c and 75c each

Hydrangea Monstrosa.
5-inch pots, extra fine, $15.00 per 100
This is the best variety for Easter.

Asparagus Plumosus Nanus. Extra fine stock.
2-inch pots, $5.00 per 100
3 " pots, $8.00 per 100

Kentias, Arecas, Latanias.

ROBT. CRAIG & SON.

Market and 49th Sts. PHILADELPHIA.

..Specialties..

Just Received. ✱ **CANE STAKES.** ✱ **Extra Fine.**

10 to 12 feet long, best we ever received, $6.00 per 1000.

MUSHROOM SPAWN, Fresh.

Our "Superior" brand can positively be relied upon—$6.50 per 100 lbs., $60.00 per 1000 lbs.
250 lbs. and over at 1000 lb. rates.

ALLEN'S DEFIANCE MIGNONETTE

SEED. Grown by Mr. Allen and sold in his original trade packets, containing about 2000 seeds—$1.00. Also **Cineraria, Primula, Pansy, Forget-Me-Not** and all other seed for present sowing.

MacMICHAEL'S "PEERLESS" SULPHUR BLOWER.

PRICE $4 75 EACH.



This Sulphur Blower has no equal for applying sulphur to the foliage in rose houses. It does the work quickly and perfectly, the distribution of the sulphur being so even that every leaf receives its due proportion, and NONE BEING WASTED, thus making it more economical than the bellows.

The Blower will also distribute with equal facility and thoroughness Tobacco Dust, Slug Shot, Lime, or any other powdery substance used in greenhouses. It is a great labor saver, as a 200-foot rose house can be sulphured in less than five minutes. It is easily handled, is strong and durable, and is GUARANTEED FOR TEN YEARS. **Read the following Letters from Leading Growers who have used the Blower.**

PHILADELPHIA, PA., September 13, 1898.
The MacMichael Sulphur Blower purchased of you and which we are now using, is the best apparatus for the purpose we have ever used; does the work very quickly and well.
ROBERT CRAIG & SON,
Forty-ninth and Market Sts.

SOUTHAMPTON, PA., September, 1898.
Permit me to say the MacMichael Sulphur Blower is giving me entire satisfaction. It is not only what you claimed for it when I purchased it of you, as a saver of sulphur, but it is a saver of labor as well. I consider it a great improvement on the old-fashioned bellows. The sulphur can be put on much more evenly and with much less trouble. STEPHEN MORTENSEN.

JENKINTOWN, PA., September 14, 1898.
With MacMichael's Sulphur Blower which we purchased of you, we now only use one-half of the quantity of Sulphur and Grape Dust, and do the work in about half the time; the work is also better done. Thank you for calling my attention to it. JOSEPH HEACOCK.

CHICAGO, May 18, 1898.
DEAR SIR:—We have one of your Sulphur Blowers and consider it the best thing we ever had to apply Sulphur in the greenhouses.
Respectfully, GEO. WITTBOLD,
Per L. W.

Our Wholesale Price List of **BULBS, SEEDS** and Florists' Requisites will be sent upon application. Send for one if you are not already one of our customers.

HENRY F. MICHELL, SEEDSMEN AND BULB IMPORTERS.

HENRY F. MICHELL.
FRED J. MICHELL.

1018 Market Street, Philadelphia, Pa.

P. S. Mr. Fred'k J. Michell will attend the Convention of the S. A. F. and would be pleased to see our customers, also all other florists.

Who Hit Billy Patterson?

Yes, who did? Well, we must confess that we can't tell you, and if we could it would do you no good.

THE BURNING QUESTION of the day, however, is "who has the best Violet Plants for the least money?" We now have in stock, ready for immediate shipment 10,000 Princess of Wales from 2½-in. pots, $20.00 per 1000.

TO RELIABLE PARTIES we do not require one cent until they receive plants.

THE VIRGINIA FLORAL CO.,
C. & O. R. R. Lindsay, Va.

VIOLETS, 'MUMS, ROSES, Etc.

M. Louise, Campbell and California Violets, fine plants, $2.50 per 100, $20.00 per 1000.
'Mums. Ivory and other good varieties, same prices.
Roses, Meteors, Maids, Perles, Brides and Souperts, good stock, 3-in., $4.00 per 100; 4-in., $5.00.
Bouvardias, best varieties, $2.50 per 100.

ADDRESS **HENRY SMITH,**
Cor. Monroe & Division Sts., GRAND RAPIDS, MICH.

Violet Plants

MARIE LOUISE.

Strong, field-grown plants, not a spot of disease on them. $4.00 per 100; $35.00 per 1000. Sample by mail, 10 cts. Cash with order. 5 per cent. discount on all orders before September 1st.

R. KILBOURN, Clinton, N. Y.

H. H. DARLINGTON

The largest grower of **Ericas** in America, will be represented at the **Detroit** Convention by....

J. AUSTIN SHAW,

who will gladly give any information as to varieties, sizes, prices, etc.

GEO. M. MOSS,

Wholesale Florist,

32 South 17th Street, - - PHIADELPHIA, PA.

The highest grade of seasonable flowers in stock at all times.

....WANTED....

for the coming season—consignments of choice flowers, especially fine double Violets, American Beauties and high grade Carnations. My facilties for moving such stock quickly and at the best prices are unsurpassed.

Please Mention American Florist.

Your Advertisement

will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in

The Best Drummer. **The American Florist.**



Johnson & Stokes

Seedsmen and Dealers in Florists' Supplies

Our Florists' Flower Seeds are Unexcelled.

217-219 Market St., Philadelphia, Pa.

Kingly Pansies.

	Trade Pkt.	Per oz.
Johnson & Stokes' Kingly Collection of Giant Pansies, mixed. This superb collection cannot be surpassed for size, shape, markings, or richness of color of the flowers	$ 50	$5 00
Madam Perrett,' New, Unique, Reddish Brown	40	3 50
Belgian Striped	20	1 00
Black (Faust)		80
Bronze		80
Bugnots, Large Blotched	50	6 00
Emperor Frederick (New), Dark Red	30	2 50
Emperor William, Ultramarine Blue	20	80
English Large Flowering, Fine Mixed	25	1 50
Fire Dragon, Firey Orange and Bronze	20	80
French, Large-flowering, finest mixed	25	1 25
Lord Beaconsfield, Deep Purple Violet	20	80
Odier, Extra Large Blotched, Rich Colors	40	4 00
Prince Bismarck, Beautiful Golden Bronze	20	80
Quadricolor, or Pheasant's Eye (Rainbow)	20	80
Snow Queen, Satiny White	20	80
Striped and Mottled, Large Flowered	20	80
Improved Giant Trimardeau, mixed per ¼ oz., 60c	30	2 00
Giant White	30	2 25
Giant Yellow	30	2 25
Giant Black and Blue (New)	30	2 25
Giant Black	30	2 25
Giant Azure Blue (Emperor William)	30	2 25
Giant Striped	30	2 25
Giant Mixed	30	2 00
Cassier's Giant, Five Blotched	50	5 00
Meteor (New), Bright Brown	30	2 50
Peacock, Ultramarine Blue, Deep Claret and White	30	3 00
Red Victoria (New) very fine	30	2 50
White, Pure	20	80
Yellow, Pure	20	80
Fine, Mixed	10	60
Fine, English, Mixed	20	75
Imperial German, Mixed	30	3 00

Our **Kingly Collection of Giant Pansies, Mixed,** we believe to be as fine as any offered, though the price be double. No pains are spared to make it **the finest** in perfection of form, richness of texture, size and freedom of bloom, and elegance and variety of markings and colorings. Per oz., $5.00.

Cineraria.

James' Giant Flowering, an unrivalled strain, both in variety of color, markings, size and quality of bloom. ½ trade pkt., 60c., trade pkt., $1.00.

Calceolaria.

James' Giant. This strain of calceolaria will be found without a peer. It contains the most brilliant colorings of the tigered, mottled, spotted and variegated varieties that we know of. Compact in growth and vigorous in constitution. ½ trade pkt., 35c.; trade pkt., 60c.

Mignonette.

Machet. A fine strain, 1 oz., 35c.

Primula Sinensis.

Our Primula seed has been grown by the most celebrated English, French, German and American specialists, and is remarkable for its great diversity of coloring, as well as for splendid habit of the plants and the large size of the flowers, measuring from 1½ to 2 inches in diameter, being perfectly round and beautifully fringed. Sow in March and April.

Single, Large-flowering Fringed Varieties.

	½ Trade Pkt.	Trade Pkt.
White. Alba	$0 60	$1 00
Alba Magnifica. Flowers large. Snow White. Exquisite form	60	1 00
Coerulea. Blue	60	1 00
Chiswick Red. Flowers of a brilliant crimson-scarlet	60	1 00
Holborn Blue. Very fine	60	1 00
Johnson & Stokes' Prize. Fringed. Choice mixed	60	1 00
Kermesina Splendens. A very deep rich red	60	1 00
Fern-Leaved. Mixed		40

J. & S. Choicest Prize Mixed. This mixture contains, besides all the above named varieties, a number of other colors selected from the best strains of American, French, English and German growers, and we know it will give entire satisfaction. Pkt. 350 seeds, 50c.; 5 pkts. for $2.00.

Are You Building or Repairing

YOU WILL NEED

Van Reyper's Glazing Points, per 1000, 60c. By mail, 75c. 5000 by express at 55c per 1000.
Scollay's Putty Bulb, 80c. By mail, 90c.
Mastica, for glazing, ¼ gallon, 35c; ½ gallon, 65c; 1 gallon, $1.25.
Mastica Glazing Machines, for applying the above, $1.00.
Class Cutters, steel roller, 15c each. By mail, 20c.

We have a new

BUDDING KNIFE.

Made specially to our own order by the most reliable cutlery manufacturer in this country. The blade is just the right shape. Is permanent (does not shut) and has a steel wedge opener at other end. The handle is just right.

Price, 20c. each. $1.75 per dozen.

MUSHROOM SPAWN.

Finest English Milltrack. Fresh Shipment now on the way. SOLD TO ARRIVE.

Per Pound, 10c. Per 100 Pounds, $8.00. Per 500 Pounds, $35.00.

RAFFIA for Tying. Per lb., 15c; per 100 lbs. $12.00.

MEYER'S GREEN SILKALINE.

Indispensable for stringing asparagus, smilax and other climbing plants; silkaline is the very thing so long needed.

Green Silkaline is fast color and will not fade; is very strong and will not break down. Coarse or fine, put up on 2 oz. spools, 8 in a box, 16 oz. of silkaline guaranteed. Price, $1.25 per lb.; per spool, 20c. Silkaline is also used for Bouquet and general florist work. In three weights, F, FF and FFF. For stringing asparagus use the FFF.

PLANT BED-CLOTH.

Waterproofed.

Light grade for shading 3½c. per yd.
Medium " " " 7½c. " "
Heavy " " " 10c. " "

JADOO

10 lb. box 50c.
25 " " $1.10
Bag of 130 lbs 2½c. per lb.
½ ton lots 1½c. " "

JOHNSON & STOKES, 217-219 MARKET ST., PHILADELPHIA.

SAMUEL S. PENNOCK.

WHOLESALE FLORIST,

1612, 1614, 1616 and 1618 Ludlow Street,

Philadelphia, Pa.

EVERYTHING IN SEASON.....

No order too large or too small to receive prompt and careful attention. We have doubled the capacity of our cold storage plant, which, with our central location, greatly increases our facilities for filling all orders carefully and in the shortest possible time.

NOW IS THE TIME TO BUY

Dahlias for Planting

WE OFFER

Largest and Best COLLECTION in AMERICA. 46 First Prizes.

STORM KING Finest snow white show Dahlia. Large, long stems, extremely profuse bloomer. Strong plants ready, 50c. each; $4.00 per dozen; $25.00 per 100.

SURPLUS STOCK.

We grew an immense stock of the new DECORATIVE CACTUS DAHLIAS. Have a few thousand left, finest named varieties, which we will close out at $4.00 per 100; strong field roots.

☞ Send for new illustrated trade list for 1899 and special low prices on mixed Dahlias and Dahlias under color.

W. P. PEACOCK, ATCO, N. J.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

PARSLEY, strong plants 35c per 100; $2.50 per 1000; if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr. & SON, White Marsh, Md.

SMILAX.

Strong one year old plants, 2½ and 3-inch pots. $2 50 per 100, $20 a 1000.

Choice New SMILAX SEED, 25c. per oz., $1 per lb.

PAEONIES for fall planting in choice assortment, $10 per 100.

CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

MILTON W. WOODROFFE & CO.,

SUCCESSORS TO WM. C. SMITH,

...Wholesale Florists...

1604 Ludlow Street,

PHILADELPHIA, PA.

We offer a splendid stock of the choicest flowers of the season at this time of year. Our location is central, but one block from the Adams Express Company's shipping office and Pennsylvania Railroad station.

Consignments of first-class stock solicited.

LONG DISTANCE TELEPHONE 1-42-69 A.

Rose Plants.

BRIDES, BRIDESMAIDS, PERLES and METEORS, 3-inch, fine stock, $3 00 per 100; $25.00 per 1000. Cash with order.

MARTIN A. MAGNUSON.
BOWMANVILLE, Station X, CHICAGO.

Tell them where you saw the ad.

CYCLAMENS, PRIMULAS, CINERARIAS.

STRAIN SUPERB.

Cyclamen Persicum Splendens (gig) finest strain in the world, in four true colors, asst., from 2½-inch pots $4 00 per 100; $35.00 per 1000.

Chinese Primrose (fringed flage) in six colors, mixed, from flats, $2.00 per 100; $18 00 per 1000.

Cineraria Hyb. Maxima grandiflora, grandiflora nana, plenissima, coerulea, kermesina nana, from flats, $1.75 per 100; $15 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

DREER'S SPECIAL OFFER

—OF—

SEASONABLE DECORATIVE PLANTS

Araucarias.

An Immense Stock at Popular Prices.

Excelsa.

4 inch pots	8 to 10	inches high	2 to 3	tiers,	60	cents	each
5 " "	12 " 14	" "	3	"	$1 00		"
6 " "	15 " 18	" "	3 to 4	"	1 25		"

Excelsa Glauca.

6 inch pots	12 to 15	inches high	3	tiers	1 25		"
7 " "	15 " 18	" "	3 to 4	"	1 75		"

Robusta Compacta.

5 inch pots	6 to 8	inches high	2 to 3	"	1 25		"
6 " "	12	" "	3	"	1 50		"
7 " "	18	" "	3 to 4	"	2 00		"

Palms.

Areca Lutescens.

			inches high	per doz	per 100
2 inch pots	1	plant in a pot	6 to 8	$ 1 00	$ 7 00
3 " "	1	" "	10 " 12	1 25	10 00
4 " "	3	plants "	12 " 15	3 00	25 00
5 " "	2	" "	15 " 18	5 00	40 00
6 " "	3	" "	28 " 30	12 00	

Cocos Weddeliana.

2½ inch pots	5 to	6 in. high	$1 00	per doz	$ 8 00	per	100
3 " "	10 "	12 " "	2 00	" "	15 00	"	"
4 " "	15 "	18 " "	3 50	" "	25 00	"	"

Kentia Belmoreana.

In. pots.	No. of leaves.	Height.	Per doz.	Per 100.
2½	3 to 4	8 inches	$ 2 00	$ 15 00
3	4 " 5	12 "	3 00	25 00
4	5 " 6	15 to 18 "	6 00	50 00
5	5 " 6	22 " 24 "	12 00	
6	6 " 7	28 " 30 "	1 50	each
7	6 " 7	30 " 36 "	2 00	"
8	6 " 7	36 "	2 50	"
9	6 " 7	48 "	5 00	"
9	6 " 7	54 "	7 50	"
10	6 " 7	60 "	10 00	"
12	6 " 7	60 to 72 "	15 00	"
14	7 " 8	7 to 8 ft.	$25 00,	35 00 to 50 00 "

Kentia Forsteriana.

In. pots.	No. of leaves	Height.	Per doz.	Per 100.
2½	3	8 inches	$ 1 50	$12 00
3	3 to 4	12 "	2 50	20 00
4	4 " 5	15 to 18 "	4 50	35 00
5	5	18 " 24 " (light)	7 50	60 00

Kentia Forsteriana.—Continued.

pots	leaves	Height.	Each.	Per doz.
6	6	26 to 30 inches	$ 1 50	$ 18 00
7	6 to 7	30 " 36 "	2 00	24 00
8	6 " 7	48 "	3 00	
8	6 " 7	48 " 54 "	3 50	
9	6 " 7	54 " 60 "	5 00	
9	6 " 7	60 "	6 00	
9	6 " 7	5 " 6 feet	7 50	
10	6 " 7	6 " 7 "	10 00	
12	6 " 7	6 " 7 "	15 00	
14	7 " 8	7 "	25 00	
16	7 " 10	7 " 10 "	$30 00, $75 00.	$35 00, and $100 each. $50 00,

Latania Borbonica.

Inch pots.	No. of leaves.	Height.	Per doz.	Per 100.
3	4 " 5	10 to 12 inches	$ 1 00	$ 8 00
4	4 " 5	12 " 15 "	2 50	20 00
5	4 " 5	15 " 18 "	5 00	40 00
			Each.	Per doz.
7	6	18 " 24 "	$ 1 00	$12 00
7	6 " 7	24 " 30 "	1 25	15 00
8	6 " 7	28 " 30 "	1 50	18 00
10	7 " 8	36 "	4 00	48 00

Phœnix Rupicola.

A beautiful lot of well developed plants.
6 inch pots, 24 to 30 inches high, $1.50 each.
7 " " 30 inches high, $2.00 to $2.50 each.
2 " " $1.00 per doz.; $8.00 per 100.
3 " " $1.25 " " $10.00 per 100.

Dracænas.

Amabilis.	3 inch pots.	$3 00	per doz.;	$20 00	per	100.	
"	4 " "	4 00	" "	30 00	"	"	
Imperialis.	3 " "	3 00	" "	20 00	"	"	
"	4 " "	4 00	" "	30 00	"	"	
Terminalis.	2 " "	1 00	" "	7 00	"	"	
"	3 " "	1 25	" "	10 00	"	"	
"	4 " "	3 00	" "	20 00	"	"	

Ficus Elastica.

4 inch pots, 10 to 12 in. high, $4 00 per doz.; $20 00 per 100
6 inch " 24 inches high, $9 00 per doz.; $70 00 per 100.

Pandanus Veitchii.

6 inch pots, 18 to 20 inches high, $1 00 each.

For a Complete List of Palms, Ferns and Other Seasonable Stock, see our Current Wholesale Catalogue.

SEE DREER'S EXHIBIT AT DETROIT CONVENTION

Also Read Advertisement on Third Cover Page of this Issue.

HENRY A. DREER, = 714 Chestnut Street, Philadelphia, Pa.

Keeping Everlastingly At It!

..WE ARE..

If there is anything new or valuable in the supply line, we propose to have it for the florist trade if we have to go half around the world to get it.

Our Mr. H. Bayersdorfer has recently returned from Europe and lots of fine goods and novelties personally selected from the best sources are following him over. Some of them will be on exhibition at Detroit. Come and see them at Detroit or at our warehouses in Philadelphia.

You will save your expenses on Baskets alone. We have them in great variety of material and shape. They are just what you want and the prices will please you. If you can't come, write.

H. BAYERSDORFER & CO.

50-52-54-56 No. Fourth St.,

WHOLESALE ONLY. PHILADELPHIA, PA.

PALMS and Decorative Plants...

My Exhibit at the Detroit Convention will consist of fair samples of strong, hardy stock, fully up to my usual high standard of excellence.
I shall be glad to again greet my friends and patrons, and trust that they will consult me and examine my samples before placing orders elsewhere.

PRICE LISTS NOW READY AND MAILED FREE ON APPLICATION.

CHAS. D. BALL, Holmesburg, Philadelphia, Pa.

Ferns

An extra fine lot of best varieties for dishes, 2-inch, $3.00 per 100; $25.00 per 1000.

CYPERUS ALTERNIFOLIUS

2-inch, fine, at $2.00 per 100.

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER,

....NEWARK, OHIO.

SMILAX.

Extra fine plants out of 4 in. pots. Price, $4.50 per 100; $40.00 per 1000.

WILLIAM SCHWEINFURTH,
RIDGEWOOD, N. J.

CHINESE PRIMROSES.

Ready for 3-in. pots; well known throughout the U. S. and Canada as the finest large flowering fringed varieties grown. SINGLES, named—$2.50 per 100, $20.00 per 1000; DOUBLES, named, $4.00 per 100, $35.00 per 1000. Extra plants added to help pay the expressage.

PRIMROSE SEED of best 13 varieties, single and double, mixed, 400 seeds, $1; half pkt., 50 cts.

....GIANT PANSY SEED.....

The best of mammoth varieties; no finer ever offered; all the seed plants critically selected; Pkt., 3500 seeds, $1.00; half pkt., 50 cts.

A pkt. of the beautiful new Forget-me-not "Jewel" added to every order for seeds.

STRICTLY CASH PRICES.

THE HOME OF PRIMROSES. JOHN F. RUPP, SHIREMANSTOWN, PA.

YOU MAY NEED... CARNATION PLANTS

this fall. If such is the case we will be pleased to hear from you. We have over 25,000 plants to select from. Flora Hill, Jubilee, Bon Ton, Victor and Empress, $6 and $8 per 100; $50 and $70 per M. Daybreak, $5 and $7 per 100. Lizzie McGowan, $1 per 100; $30 per M. Gold Nugget and Evanston, $10 per 100; and SANDUSKY, which you surely want to give a trial this winter, if you want large quantities of early, large and beautiful variegated flowers that will sell at sight to your customers. Nice, large plants from field, $10 per 100, $80 per M.

1899 NOVELTIES—Melba, America, G. H. Crane, Gen. Gomez, Gen Maceo and Gov. Griggs—$2 per dozen, $15 per 100.

Also have a few hundred of the BABY PRIMROSE of true stock from 2 and 2½-in. pots, @ 75 cts. and $1.00 per doz; $5 and $7 per 100.

W. E. HALL, Clyde, Ohio.

Decorative Plants.

ARECA LUTESCENS.

5 in. pots, one in a pot, 20 in. high..$.50
6 in. pots, several in pot, 24 in. high, strong 1.00
7 in. pots " " 28 to 30 in. high.. 1.25
8 in. pots " " 30 to 36 in. " 2.00@2.50
10 in. pots " " 48 in. high, bushy 4.00
12 in. pots " " 60 to 72 in. " 10.00
14 in. pots " " 84 in. high " 15.00

COCOS WEDDELIANA.

4 in. pots, 3 plants in a pot, 14 in. high.....$.30
5 in. pots, 3 " " 16 in. high..... .50
6 in. pots, 3 " " 16 to 20 in. high .75

KENTIA BELMOREANA.

5 in. pots, 15 to 18 in. high.....$.75
6 in. pots, 20 to 24 in. high..... 1.00
6 in. pots, 28 in. high..... 1.25
7 in. pots, 28 to 30 in. high..... 1.50
7 in. pots, 30 to 32 in. high..... 2.00

KENTIA FORSTERIANA.

6 in pots, 24 to 28 in. high.....$ 1.00
7 in. pots, 28 to 30 in. high..... 1.50
7 in. pots, 25 to 30 in. high, 3 in a pot..... 2.50
8 in. pots, 28 to 30 in. high, 3 in a pot..... 3.00
10 in. pots, 48 to 54 in. high, very strong plants..... 8.00
12 in. pots, 60 to 66 in. high, very strong plants.....10.00 to 12.00
14 in. pots, 72 in. high..... 25.00

LIVISTONIA ROTUNDIFOLIA.

3 in. pots, nice strong stocky plants.....$.20
6 in. pots, fine 10 to 12 characterized leaves 1.50
7 in. pots, fine 12 to 13 " " 2.00

LATANIA BORBONICA.

6 in. pots, 4 to 5 characterized leaves.....$.50
6 in. pots, 5 to 6 " " 75
8 in. pots, nice plants..... 1.50

MISCELLANEOUS.

8 in. pots, Phœnix Rupicola, strong plants $2.00
6 in. pots, Pandanus Utilis..... .50
6 in. pots, Pandanus Veitchii..... 1.00
7 in. pots, " " 1.50
8 in. pots, Ficus Elastica (ready September) 1.50
6 in. pots, Dracæna Terminalis (October). .75
6 in. pots, Araucaria Excelsa..... .75
6 in. pots, Nephrolepis Cordata Compacta .. .50
6 in. pots, " Bostoniensis..... .50

CYCAS REVOLUTA.

6 and 7 inch pots... $1.00 to $ 1.50
10 to 12 inch pots, grand plants 5.00 to 15.00

LEMUEL BALL, Wissinoming, Phila., Pa.

LIBERTY. LIBERTY. LIBERTY.

Place your order now and be sure of getting the best of stock. Delivery begins March 20th, 1900.
All orders filled strictly in rotation. Satisfactory reference or cash deposit from all unknown correspondents. Prices as follows:

OWN ROOTED PLANTS FROM 2 1-2 In. POTS.

50 plants and over and less than 100, $0.30 each
100 " " up to 1000 - - .25 "
1000 " " over - - $200 per thousand
3-in. pot plants, 5c. each additional.

GRAFTED PLANTS FROM 2 1-2 In. POTS.

50 plants or more and less than 100, $0.50 each
100 " and up to 1000, - - .40 "
1000 " or more - - $350 per thousand
3-in. pot plants, 5c. each additional.

ERNST G. ASMUS, West Hoboken, N. J.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y., EASTERN AGENT.

VAUGHAN'S SEED STORE, 84 and 86 Randolph St., Chicago, WESTERN AGENT.

Azaleas, Bay Trees, Palms, Araucarias.

STOCK ENORMOUS. QUALITY THE FINEST.

SANDER, Bruges, Belgium.

AGENT: A. DIMMOCK,

60 Vesey Street, NEW YORK, N. Y.

CARNATION CUTTINGS

ALL SOLD.

We are now booking orders for fall delivery; fine plants from the field. Guaranteed strong, vigorous plants free from disease, of all leading varieties.

WRITE US YOUR WANTS.

ASPARAGUS SPRENGERII, in 3, 4 and 6-in. pots. **BABY PRIMROSE,** 4-in. pots. **DRACÆNA INDIVISA,** 5 and 6-in. pots. Liberal discounts for liberal orders. All shipments will be well packed. We will endeavor to please you. Send in your orders early. Write us your wants; we can supply them.

LAKE VIEW ROSE GARDENS, Wholesale Growers Cut Flowers. Plants and Palms,

JAMESTOWN, N. Y.

Newport, R. I.

The bedding plant business in Newport has been unusually good this season. In scarlet geraniums, vincas and ivies the supply fell far short of the demand. Coleus and alternantheras are not now grown by florists as much as formerly, and the same may be said of annuals, Begonia Vernon and B. Erffordii. These are only grown extensively on private estates. Some florists grew these begonias for this season's sale and report but little demand for them. These plants will probably be more employed when better known as they have the good quality of being constantly in bloom and are very effective in beds and for edging borders. Hydrangeas in tubs, with the exception of very fine specimens, have been sold this year at a discount. In fact they have been sold outright at a lower price than has been received for the rental for the same size of plants other seasons. This underselling business extends to the estates of some wealthy cottage owners who are abroad and have ordered their fruits and flowers to be sold. The employes receiving such orders in some cases are anxious to make some "returns" and sell at prices lower than those with which growers for profit can compete.

The rose and strawberry show of the Newport Horticultural Society was somewhat of a failure all around. Had the show been held on the dates originally mentioned an exhibition of credit to the society would have resulted, but the hall that was thought to be most suitable could not be obtained for those dates but was secured by the committee for dates a week later, with the result that the roses and strawberries were at their perfection a week earlier than the holding of the show. J. J. B.

CHESTER, PA.—W. L. Edwards has sold out his business at 315 Market street to E. M. Barlow.

NEW YORK.—Cornelius S. Loder, of the National Florists' Board of Trade, will attend the convention.

EXTRA **Fine Stock** CHEAP

ASPIDISTRA LURIDA, at 4 cents per leaf.

600 GERANIUMS, in full bloom, 3-inch pots, 3½ cents.

200 DAYBREAK CARNATIONS, at 3 cts.

25 FICUS ELASTICA, 6-inch pots, 24 to 30 inches, 50 cents.

25 PANDANUS VEITCHII, 6-in. pots, $1.

CANNAS, all the leading varieties for fall delivery. Write for prices.

W. W. COLES, Kokomo, Ind.

HERR'S PANSIES

IN trying new strains for the purpose of improving my own, frequently as few as a dozen plants are selected from $5.00 worth of seed as worthy a place in my seed bed; this is rather expensive for me, but gives a remarkably fine strain for my customers.

PLANTS ONLY.

Free by mail at 75c. per 100; 250 for $1.50; 500 for $2.50. By Express, $4 per 1000.

ALBERT M. HERR,
LANCASTER, PA.

KENTIA FORSTERIANA SEED of fine germinating quality; per tin of 2000 seeds $8 50; per case, 4000 seeds, $16 00; per 1000 seeds, $4 50.

ROSE STOCKS for grafting: **Manetti, Multiflora** and **DOG ROSE.**

PLANTS for forcing: **ROSES,** Budded and on own roots; **Rhododendrons, Clematis, Azaleas, Hydrangeas, Spiræas, Deutzias, Azalea Indica,** best market varieties.

BULBS **Hyacinths, Tulips, Narcissus, Lilium Harrisii** (5-7), **Japan Longiflorum.**

JOOSTEN'S SELECT BERLIN PIPS Lily of the Valley.

CANE PLANT STAKES, 4 to 5 feet, per 1000 $5.00.

Send for Trade Price List.

C. H. JOOSTEN, Importer, 85 Dey St., NEW YORK.

REPRESENTED AT DETROIT S. A. F. CONVENTION BY MR. J. E. KILLEN.

FORCING ROSES In First-Class Condition for Planting Up.

	Per 100		
BRIDES	2½-in. $3.00;	3½-in.	$8 00
BRIDESMAIDS	2½-in. 3.00;	3½-in.	8.00
METEORS	2½-in. 3.00;	3½-in.	8.00
PERLES	2½-in. 3.50;	3½-in.	9.00
MRS. R. GARRETT	2½-in. 4.00;	3½-in.	10.00
PAPA GONTIER	2½-in. 4.00;	3½-in.	10.00
AMERICAN BEAUTY	3-in. 8.00;	3½-in.	12.00

2-in. pots, ready for 3-in. at $2.00 per 100.

An assortment of TEAS and HYBRID TEAS as per recent adv. in this paper.

ACALYPHA SANDERI. ORDER NOW.
Strong, 4-inch $20.00 per 100
Strong, 5-inch 35.00 per 100

BABY PRIMROSE (Primula Forbesi).
Strong plants, in bloom, at $1.25 per dozen; $8.00 per 100.

BAY TREES,
In extra fine condition; in Standards and Pyramids, all sizes. Write for prices.

POINSETTIAS, strong, stocky plants, now in 3-inch pots, ready for a shift, per 100, $10.00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
Greenhouses: WESTERN SPRINGS, ILL.

FIRST QUALITY FORCING ROSES!

Perfectly Healthy and Grown Especially for Late Planting.
Only selected growth from flowering shoots used in propagating.

SUNSET, SAFRANO, PRES. CARNOT, KAISERIN, METEOR, MAIDS, WOOTTON, PERLE, MME. HOSTE.

3-inch pots, $7.00 per 100; 4-inch, $10.00 per 100.

400 GRAFTED BRIDESMAIDS, 3 1-2 POTS, $12.00 PER 100.

J. L. DILLON, Bloomsburg, Pa.

AMERICAN BEAUTY Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS. **A. S. MacBEAN, Lakewood, N. J.**

PALM *Seed.* FRESH ON HAND

	100	1000	3000
Asparagus Sprengerii	$1.00	$6.00	$15.00
Corypha australis	.75	5.00	13.50
Phœnix canariensis	.50	3.50	12.00
" reclinata	.75	5.00	13.50
Chamærops humilis robusta	.50	4.00	
Livistona rotundifolia	2.25	20.00	
Areca lutescens	.75	5.00	13.50
Latania borbonica	.50	2.50	6.00

J. L. SCHILLER,
....404 East 34th Street, NEW YORK CITY.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.

Geo. Hancock & Son, Grand Haven, Mich

It may be premature to talk
FIELD CARNATIONS!
Nevertheless I wish to remind you that it will pay you to correspond with me if in want of Standards or Novelties. Letters of inquiry cheerfully answered.

S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.

CHRYSANTHEMUMS!

NOW is the best time to plant for late flowers. Our stock is in fine thrifty condition and of recent propagation. It includes all the leading standard sorts, also some of the newer varieties.

2¼-inch pots, $2.50 per 100; $20.00 per 1000. 250 at 1000 rates. Our selection.

Nathan Smith & Son.,
ADRAIN, MICH.

FIELD-GROWN **Carnation Plants.**
10,000 READY NOW.
New and Standard varieties, $4.00 to $10.00 per 100. Write me your wants.

CARL HAGENBURGER, West Mentor, Ohio.

OUR DIRECTORY FOR 1899 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.



MR. OTTO WITTBOLD, REPRESENTING

GEORGE WITTBOLD,

Established 1857.

...Grower of PALMS AND FERNS

1708 NORTH HALSTED ST., CHICAGO,

Will be at the Convention with samples, in the trade exhibition, of the following items of our stock, which we offer at the prices here quoted:

PALMS.

Varieties.	Size Pot.	Height Inches.	Character Leaves.	Prices. Each	Doz.
LATANIA BORBONICA	2-inch				$ 0.50
" "	3 "				1.50
" "	5 "	16-20	5-8	$ 0.50	5.00
" "	6 "	18-22	5-7	.75	9.00
" "	7 "	20-24	6-8	1.00	12.00
COCOS WEDDELIANA	3 "	14-18	4-6	.25	3.00
KENTIA BELMOREANA	3 "	5- 7	3-4	.25	2.00
" "	3 "	8-10	4-5		3.00
" "	5 "	18-20	5-6	.75	7.20
" "	5 "	18-22	6-7	1.00	12.00
" "	6 "	20-25	5-7	1.50	18.00
" "	7 "	34-38	6-7	2.50	30.00
" FORSTERIANA	5 "	20-24	4-6	.75	7.20
" "	5 "	25-28	4-6	1.00	12.00
" "	6 "	26-30	6-8	1.50	18.00
" "	7 "	36-40	5-6	2.50	30.00
PHOENIX RECLINATA	5 "	14-16	5-8	.50	5.00
" "	6 "	16-18	7-10	.75	9.00

CYCAS REVOLUTA We have a fine lot now on hand in sizes averaging in price from $1.00 to $10.00 each and can give exceptionally good values in all sizes.

FERNS.

Varieties.	Size pot	Doz.	per 100
ADIANTUM CUNEATUM	3 inch	$1.00	$8.00
" "	4 "	1.50	12.00
" CAPILLUS VEN. IMB	2 "	.50	4.00
CYRTOMIUM FALCATUM	3 "	1.00	8.00
" "	5 "	2.00	
BLECHNUM ORIENTALE	2 "	.50	4.00
LOMARIA GIBBA	4 "	1.50	12.00
PTERIS SERRULATA	2 "	.50	4.00
" UMBROSA	4 "	1.50	12.00
NEPHROLEPIS EXALTATA	4 "	1.50	12.00
" PECTINATA	3 "	1.00	8.00
" "	4 "	1.50	12.00
" PHILPENSIS	4 "	1.50	8.00
" BOSTONIENSIS	4 "	2.00	
" "	5 "	3.00	
" "	6 "	5.00	

MISCELLANEOUS.

		Each.	Doz.
PEPEROMIA ARGYREA	4-in. pots, fine plants		$15.00
DRACÆNA TERMINALIS	4 " "		3.00
" FRAGRANS	4 " "		3.60
" "	5 " "		5.00
" "	6 " "		9.00
ARAUCARIA EXCELSA	7 "	$3.00	36.00
" "	6 "	1.25	15.00
" "	5 "	1.00	10.00

ASPARAGUS.

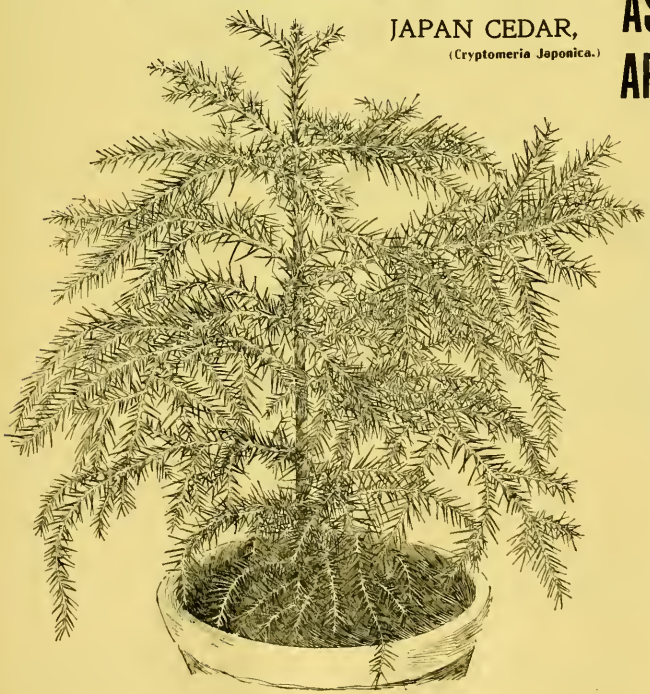
Varieties.	Size pot	Doz.	per 100
ASPARAGUS PLUMOSUS NANUS	2 "	$.50	$4.00
"	3 "	1.00	8.00
" SPRENGERII	2 "	.50	4.00
" "	3 "	1.00	8.00

We wish to call your attention to the fact that our stock this season is the largest we ever had to offer and that the plants are clean, healthy and well proportioned. Being located almost in the heart of Chicago our shipping facilities are unsurpassed. If we have not already your valued patronage we hope to be favored with a trial order.

A NEW DECORATIVE EVERGREEN FOR HOUSE CULTURE.

JAPAN CEDAR,

(Cryptomeria Japonica.)



AS HANDSOME AS ARAUCARIA EXCELSA!

But much more easily grown and ten times cheaper.

In this species of Cryptomeria we have a most dainty and handsome jardiniere plant, a plant that has all the grace and beauty of Araucaria Excelsa, (for which it is often mistaken) but which has the happy faculty of successfully withstanding the trying atmosphere of living rooms, a quality in which the Araucaria is woefully lacking. The Cryptomeria Japonica is of vigorous habit of growth and can be grown much more economically than Araucaria. The plants from 4-inch pots offered by us if given ordinarily good care and attention should be 18 inches tall and ready for 6-inch pots within three to four months and will readily bring $2.50 to $3.00 each. As far north as Philadelphia the Cryptomeria Japonica is hardy outdoors when it makes a most beautiful shrub for lawn planting and will ultimately attain great size.

4-in. pots, $15 per 100; 2½-in. pots, $9 per 100. 25 2½-in. for $2.50 postpaid.

...Asparagus Sprengerii...

2½-inch pots.....$5 per 100
4-inch pots..... 9 per 100

JACKSON & PERKINS CO.

NEWARK, NEW YORK.

Jamestown, N. Y.

TRADE QUIET BUT AN OCCASIONAL NICE ORDER GOING.—ROSE GARDENS CATCH A FEW PLUMS.—A HAIL STORM.—VISITORS.

Trade has been rather quiet of late, although the Lake View Rose Gardens caught some nice orders at the time of the recent annual meeting of the National Photographers Association. They had the decorations for the grand ball given at the Kent House, on Lake Chautauqua, and also did the work in the hall in which the association made its wonderful display of photographs; besides this they provided 500 bouttonieres of American Beauty roses. Lilium auratum is plentiful and sells fairly at from $5 to $10 per hundred. Sweet peas are plentiful, Emily Henderson and Countess of Radnor being extra fine, some of them bringing $1 a hundred. There is fair demand for roses, Beauties being quoted at from $8 to $20, and teas at $3 to $4 per hundred. Carnations can hardly be obtained at any price.

There was a heavy fall of hail August 2, most of the local growers being heavy losers. The Lake View Rose Gardens lost 700 panes of glass, F. A. Dorman lost a few hundred lights and E. D. Spaulding was also hit.

Recent visitors were: August Kruger and Geo. Hass, Meadville, Pa.; Thos. Murdock, Titusville, Pa.; M. I. O'Brien, Sharon, Pa.; W. J. Myers, New Brighton, Pa; F. R. Williams, Cleveland, O.

C. H. R.

BROOKLYN, N. Y.—W. C. Krick will be at Detroit with his new stand for decorating, for which he has applied for a patent. The stand is adjustable and can be folded into a very small space when not in use. It may be tilted and employed for side decorations.

..NOTICE..

A Good Investment!

Fine, Clean Stock!

Latania Borbonica.

Inch pots.	No. of Leaves.	Height.	Per Doz.	Per 100
3	4 to 5	10 to 12 inches	$1 00	$ 8.00
4	4 to 5	12 to 15 inches	2.50	20.00
5	4 to 5	15 to 18 inches	5.00	40.00
6	4 to 5	18 to 20 inches	6.00	50.00

Phœnix Cornariensis.

4	24 to 30 inches		35.00
4½	30 to 36 inches		50.00
5			60.00
6			75.00
7	40 to 48 inches		100.00

Kentia Belmoreana.

4	5 to 6	15 to 18 inches	6.00	50.00
6	6 to 7	28 to 30	$1.50 ea.	18.00
5	6 to 6	22 to 24	1.00 ea.	12.00

Kentia Forsteriana.

4	4 to 5	15 to 18 inches	5.00	40.00
5	5	18 to 20 inches	9.00	75.00
6	5	24 to 28	$1.00 ea.	12.00

Chamærops Excelsa.

4		25.00
3		15.00
5		35.00

Adiantum Farleyense.

Nice young, thrifty stock for growing on.

3	2.50	20.00
4	5.00	40.00
5	9.00	70.00

Smilax.

Fine plants out of 2-in. pots, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,

THE EXOTIC NURSERIES. **Dayton, Ohio.**

PALMS.

FERNS.

STOVE AND GREENHOUSE PLANTS

An Invitation To Visitors To and From the Convention.

WE EXTEND to one and all a cordial invitation to visit the Rose Hill Nurseries and see the grandest and handsomest stock of home-grown PALMS in America in all sizes and of all varieties, also of Ferns, Stove and Greenhouse plants. Before placing your orders, all we ask is, to visit our Nurseries (and you will do the rest).

Trains every hour from Grand Central Depot.

Write, Telephone or Telegraph and our carriage will meet you.

...NOTICE OUR EXHIBIT AT THE CONVENTION...

SIEBRECHT & SON,

Telephone 151. NEW ROCHELLE, N. Y.

Everything For the Grower and Retailer.

Holiday Decorations.

LYCOPODIUM For Wreathing.

CHRISTMAS TREES

We supply the trade, in large or small quantities, with the very best quality of trees and decorations. None but fine, symmetrical trees shipped, and fresh-gathered Lycopodium. No culls in a carload of trees from us. The holiday season of 1899-1900 marks the beginning of a new century and will be the most enthusiastically celebrated holiday season in the lives of the present generation. Demand for Decorations will be in accordance. Prepare for it, as the rest are doing, and place an order now. Write for prices and say how much Lycopodium and how many trees, and sizes, you can use.

EVERGREEN NURSERY CO., Sturgeon Bay, Wis.

ZIRNGIEBEL'S GIANT PANSIES

"Huge jewels of velvet and gold."—*Boston Transcript.*

AWARDED A SILVER MEDAL AT BOSTON.

are the finest strains up to date, either here or abroad. Our seed this season is from extra quality flowers, superb coloring and largest size.

THE GIANT FANCY STRAIN, in trade packets of 600 seeds, $1.00.
And THE GIANT MARKET, 2000 seeds, for $1.00 also.

SEEDS TESTED AND SATISFACTION GUARANTEED.

Plants of the above strains for sale at the same rate as the more common varieties. Giant Market, $5.00 per 1000; Giant Fancy, $10.00.

With our new system of packing, plants can be sent any distance.

Plants for Sale September 1st.

DENYS ZIRNGIEBEL, Needham, Mass.

SEED. **PANSIES.** SEED.

Roemer's Superb Prize Pansies, improved strain, new crop, ready now (my own growing). This mixture is saved from the very finest selected plants of all leading novelties; without doubt the finest strain in the market to-day. Mixed, per pkt of 3000 seeds, $1.00; ¼ oz., $1.50; ½ oz., $2.75; 1 oz., $5.00; white, yellow, black and violet blue in separate colors, same price.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of extra fine pansies; plants ready Sept. 15th.

PANSIES

THE JENNINGS STRAIN

are considered by many florists as the finest American strain to date. Large flowering and most brilliant colors in great variety.

NEW CROP NOW READY.

Finest mixed—pkt., $1.00; ⅛ oz., $3 00; 1 oz., $5 00.

Finest white—blue, black and yellow in separate colors, 50 cts. per pkt.

Plants ready in any quantity Sept. 1st, '99.

CASH WITH ORDER.

E. B. JENNINGS, Lock Box 264, **Southport, Conn.**

Grower of the Finest Pansies.



Half-tones, Zinc Etchings, Electrotypes of the highest grade, executed by scientific methods. Flowers Photographed and Engraved for Catalogue and Circular use. Your work solicited.

J. MANZ ENGRAVING CO., 195-207 Canal St., Chicago.

Milwaukee.

SATISFACTORY SUMMER MARKET.—CARE IN GRADING STOCK.—ROSES POOR AS A RULE.—BUSINESS JOTTINGS.

The flower market for July and thus far in August has been quite satisfactory, all good stock being disposed of. It is noticeable that the growers are taking greater care in grading stock before shipment. We are not experiencing the drought usual at this season and outside stock is almost as fresh as in June. Sweet peas, Lilium auratum and L. speciosum, gladioli and Asparagus Sprengerii are beautiful. Roses and carnations are a trifle small. Once in a while we have a glimpse of the Marechal Niel rose which puts everything else in the shade.

Binzel & Kellner have leased one of the Baumgarten greenhouses for their palms and other plants.

Geo. A. Mock, who has been with Currie Bros. for some years, has purchased the store known as the Paris Floral Company from Mr. Booth.

C. B. W.

BLOOMINGTON, ILL.—A. Washburn & Son will build another new 150-foot house and a 65 foot smokestack. They will buy a new boiler before fall. They now have eighteen houses, 40,000 feet of glass.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description).

I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for . . . 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots . . . 18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

STUDER'S OFFER . . .

in the FLORIST of June 24, page 1399, is still good until stock is exhausted. Make checks, money orders, etc., payable to FRANZ BONFFIE, Manager.

N. STUDER, ANACOSTIA, D. C.

ROSES Fine forcing Roses for immediate planting, strictly first-class stock from 3-inch pots, at $3.50 per 100

250 BRIDES, 200 LA FRANCE,
250 BRIDESMAIDS, 150 PERLES.

Also 2000 ASPARAGUS PLUMOSUS, 2¼-inch pots, $3.00 per 100.

W. C. BRYFOGLE, Bloomsburg, Pa.

CARNATIONS Large, healthy, field grown plants, ready for shipment Sept. 12 and later. Now booking orders for the following vars.

Lizzie McGowan, Tidal Wave,
Wm. Scott, Hinze's White,
Daybreak, Mme. Albertini,
Helen Keller, Eldorado,
Emily Piersau, Charm, Buttercup.

300 Swainsonia Alba, 2½-inch pots, $3.00 per 100.

W. C. BRYFOGLE, Bloomsburg, Pa.

WE HAVE LEFT THE FOLLOWING

CHOICE ROSE PLANTS

that are as nice as can be grown in every way, which we are anxious to sell at a very low price to make room.

WE GUARANTEE THEM FIRST CLASS IN EVERY RESPECT.

4000 BEAUTIES,	3-in. pots, at	5c.	2300 BRIDES,	3-in. pots, at	4c.
1400 BRIDESMAIDS,	4 "	5c.	500 BRIDES,	2 "	2c.
2000 BRIDESMAIDS,	3 "	3c.	1600 METEORS,	3 "	3c.
6100 BRIDESMAIDS,	2 "	2c.	500 METEORS,	2 "	2c.
700 BRIDES,	4 "	5c.			

All stock is free from disease, strong and healthy. Shipments to be made from our Greenhouses at Hinsdale, Illinois.

BASSETT & WASHBURN, 78 Wabash Ave., Chicago.

SURPLUS ROSES.

	100.	1000.
Meteor, 3½-in. pots.	$4.00	$35.00
Maids, " "	4.00	35.00
Brides, " "	4.00	35.00

All fine stock—grown for own use. Cash with order from unknown parties.

BRANT & NOE,
FOREST GLEN, - ILL

SUPERB STOCK.

6,000 3-in. BRIDES and MAIDS.. per 100. $5.00
1,000 " METEORS..... " 3.50
2½-inch stock..... " 2.50

Not leavings, but superior plants which are well worth the money. Write for special low prices on 200 or more.

W. H. GULLETT & SONS, Lincoln, Ill.

ROSES.

BRIDE, BRIDESMAID, PERLE, GOLDEN GATE, WOOTTON, MME. CHATENAY, 3 and 4-inch pots, $5 00 per 100.

The above are all good strong stock, fit for immediate planting.

EVENDEN BROS., Williamsport, Pa.

ROSES. ROSES.

Maids, Brides, Woottons and Kaiserins, 3-in., fine stock, $5.00 per 100; $45.00 per 1000.

Maids, Brides, Woottons and Meteors, 2 and 2½-in., $3.00 per 100; $25.00 per 1000.

Robert F. Tesson, West Forest Park, ...ST. LOUIS, MO.

CARYOTA URENS

(Fish tail palm). Fresh seeds ripening now, 75 cts. per 100 seeds prepaid. Cash with order. 3 cts. will get a postal money order for the amount. Address

ALBERT R. LANGWITH,
DONINGUEZ, No. 17, CERRO, HABANA, CUBA.

FOR SALE.

Palms and Decorative Plants

All sizes, and at all seasons.

P. O. Box 78, A. SCHULTHEIS,
College Point, Queensborough, NEW YORK, N. Y.

ROSES

Per 100

BRIDESMAID. ...2½-in. pots, $2.50
" 4-in. pots, 4.00
BRIDE..... 2½-in. pots, 3.00
" 4 " 5.00
GOLDEN GATE.....2½ " 3.00

REINBERG BROS.,
51 Wabash Ave., CHICAGO.

OUR ROSES are out of sight, big, strong, bushy plants, selected and grown expressly for our own planting; a few thousand to spare from 3½ and 4-in. pots, at $5 per 100—Brides, Meteors, Maids and La France.

Kaiserin, extra select, 3½-in., 6c.

FIELD CARNATIONS. The kinds we know are good.
PINK—Wm. Scott, Albertini and Rose Queen.
WHITE—Lizzie McGowan and Uncle John.
RED—Emily Pierson. Variegated—Old Glory. No experiment growing these varieties.
Fine plants, $3.50 per 100. Packed light.

SMILAX, extra strong bushy plants, ready to string right up, at $1 per 100. LATANIA BORBONICA PALMS, strong, 5-in. pots, $4 doz. Cash with order.

SOUTH SIDE FLORAL CO., Springfield, Ill.

..ONLY..

1000 2½-in. BEAUTIES
1000 " WOOTTONS
500 2-in. BRIDES
2000 3-in. SMILAX
} all at a bargain. WRITE...

GEO. A. KUHL, Pekin, Ill.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE.....	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices.

Send for prices. Cash with order.

SMILAX, fine young plants, $12.00 per 1000.

THE NATIONAL PLANT CO., Dayton, O.

ROSES Clean, healthy plants, from 3-inch pots, $5.00 per 100.....

Perle, Meteor, Wootton, Bride, Bridesmaid, Am. Beauty, Pink and White La France.

Plants from 2-in. pots, WOOTTON and PERLE, $2.50 per 100.

ASPIDISTRA, from 4-inch pots..... $10.00 per 100

JOSEPH HEINL, Jacksonville, Ill.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial. ...The American Florist.



"WE NEVER SLEEP."

Telephone
HARRISON
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The Regan Printing House

WORK DELIVERED WHEN ORDERED.

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PLYMOUTH PLACE
CHICAGO.....

DAY and NIGHT PRESSROOMS...

CAPACITY:
TWENTY TONS OF PAPER A DAY.
FORMS CALLED FOR AND DELIVERED.

Book, Job AND News Printers....

THE BEST.....
EDITION and PAMPHLET BINDERY

TO BE FOUND IN THE UNITED STATES.

NURSERY AND SEED CATALOGUES.....

Indianapolis.

RAIN REVIVES OUTDOOR STOCK.—TRADE DULL.—MEETING OF OUR SOCIETY.—THREE NEW BOYS.—GOOD SEEDLING CANNAS.—JOTTINGS.

At last we have had a few good soaking rains to help outdoor stock. Business is pretty dull just now, but the fact that trade kept up very well until far into July makes this inevitable summer dullness less oppressive.

The August meeting of the Society of Indiana Florists took place at Garfield Park, with the business session shortened and the sociable part prolonged and made especially enjoyable by Messrs. Fred. Huckriede, Henry Rothermal and Fred. Rieman, who treated the members to a lot of good things in honor of three fine baby boys, who blessed their respective homes on the same day of July. Robt. McKain exhibited fine cannas. He is very lucky in raising good seedlings of this valuable bedding plant. The following three of his seedlings are worthy of a place in any collection: E. A. Parker, a very desirable yellow, distinct and of good blooming and growing qualities; Mrs. Rothermal, a very pretty orange color; R. A. McKain, bronze foliage; dark red, similar to Mrs. Cleveland.

C. Sonnenschmidt, who suddenly made up his mind to join the convention party, was, with John Bertermann, appointed a committee on transportation and has been busy visiting railroad offices.

Walter Bertermann left on August 10 for Atlantic City to spend his vacation.

H. JUNGE.

ASHLAND, O.—A. C. Lamprecht has outgrown his present quarters and is now building a residence and six greenhouses on Broad street.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,

LOCK BOX 11, GRAND RAPIDS, MICH.

BOBBINK & ATKINS,

Representatives of the following European Houses:

The Horticultural Co., Boskoop, Holland, H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs.

Jules Ganchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Snoeck Bros., Gendbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.

GREENHOUSES AND ADDRESS

JOLIET, ILL.

CARNATION Cuttings all sold.

Field-grown stock for fall delivery.

F. DORNER & SONS CO., La Fayette, Ind.

ORCHIDS!

We collect the best varieties of Lælias and Odontoglossums for florists and send parcel post paid, 25 varieties for $5.00.

Lælia Majalis Alba, $1.00 per Bulb.

...Cacti...

Our list comprises over 100 varieties—a sample collection of 25 for $3.00. Old Man Cactus (Pilocereus), 4-6 in., $3 per doz.

...Bulbs...

We are collecting Tigridias, Amaryllises, Milla Biflora, Bessera Elegans, Cyclobothra, Zephyranthes, etc. Send for trade list.

SPECIAL PRICES ON APPLICATION.

J. A. McDOWELL,

Apartado 167,

....CITY OF MEXICO.

BABY PRIMROSE,

12 for $1.50, $10.00 per 100 by mail.

ASPARAGUS SPRENGERI,

25 for $1.50 by mail, $4 per 100, express.

ACALYPHA SANDERI,

12 for $3, 100 for $25 by express.

SWEET-SCENTED CALLA,

12 for $1, 100 for $6 by mail.

New YELLOW CALLA Lemon Giant,

Large bulbs, many eyes, $7.50 for 12.

BEGONIAS, Tuberous, $2.50 per 100.

A. BLANC & CO.,

PHILADELPHIA.

YOU WANT THE BEST

..ALWAYS..

Rooted Cuttings of Standard

ROSES, CARNATIONS, GERANIUMS, COLEUS, HELIOTROPES.

Every Cutting Guaranteed.

Every Cutting a Selected Cutting.

READY FROM NOV. 1.

F. R. Thornton

THE COTTAGE GARDENS, - MACOMB, ILL.

Orchids!



Don't forget to come and look at our samples of imported and established Orchids at the Convention at Detroit.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

Seedling Carnation Plants

Now too large to mail. Extras added to cover expressage. Price, $4 00 per 100. Two sample plants sent by mail for 10c.

TRY FOR THE $50.00 PRIZE.

American Rose Co., Washington, D. C.

DAYBREAK!

Extra fine, field-grown plants, now ready for delivery—$6.00 per 100.....

JOHN McFARLAND,

NORTH EASTON, - - - MASS.



USE **W. C. KRICK'S FLORISTS' Immortelle Letters, Etc.**

Medal Awarded at the World's Fair and Highest Award Wherever Exhibited.

These Letters and Designs are made of the best Immortelles, wired on wood or metal frames, having holes drilled in them to insert toothpicks, by which they are fastened in the design. Give them a trial. You will find these goods to be superior to any in the market.

2-inch Letters, $2.50 per 100.

Postage, 15 cts. per 100.

For other styles of Letters, Emblems and Designs send for catalogue. Before purchasing send for free sample and catalogue, and compare with any other letter on the market.

For sale by all Florists' Supplies Dealers.



THE **Perfect Flower Pot Handle and Hanger**

Is used for lifting plants out of jardinieres, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 lbs.

No. 1 will fit from 2 to 5-inch pots, per doz. 35c; No. 2 will fit from 5 to 8 in. pots, per doz. 50c; No. 3 will fit from 8 to 12-in. pots, per doz. 60c. Postage 10 cents extra per dozen; sample pair 10c. postpaid.

W. C. KRICK, 1287 Broadway, Brooklyn, N. Y.

Samples at the Convention.

WILLIAMS & SONS CO.,

Manufacturers and Dealers in

TREE AND PLANT LABELS,
GARDEN STAKES,
PLANT STICKS,
FOLDING FLOWER BOXES,
EXPRESS & MAILING BOXES,
TRANSPLANTING BOXES,
TWINES AND PAPER,
SPHAGNUM MOSS,
PRINTED STATIONERY,
FLORISTS' SHIPPING LABELS,
ENVELOPES AND SHIPPING TAGS and a general list of

Florists' and Nurserymen's Supplies.

Write for our new list.

BATAVIA, - - ILLINOIS,

Mention the American Florist.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN—SOLD BY SEEDSMEN—CIRCULAR FREE—

SKABCURA DIP CO. CHICAGO.

Kill and Save the Blooms Bugs!

QUICKLY DOES IT.

REED & KELLER.....

Florists' Supplies

122 W. 25th St., NEW YORK CITY.

Practical and Economical...

These words suggest to a horticulturist, the **NATIONAL FLORISTS' BOARD OF TRADE,** publishers of Trade Lists, furnishes reports, makes collections and whose members believe that money saved is money earned. If you are not a member you should join now. *Address*

CORNELIUS S. LODER, Rooms 54, 55, 56 National Shoe and Leather Bank Building, NO. 271 BROADWAY, NEW YORK, N. Y.

BEWARE OF SAP....

in Cypress Lumber for Greenhouse Material.

A little sap in lumber to be used for interior finish in dwellings won't hurt. But in Greenhouse Material it is a FATAL defect.

The moisture inside the greenhouse makes the difference.

The sappy piece is the first to decay and is the weak link in the chain.

We can't afford to have any weak spots in our material.

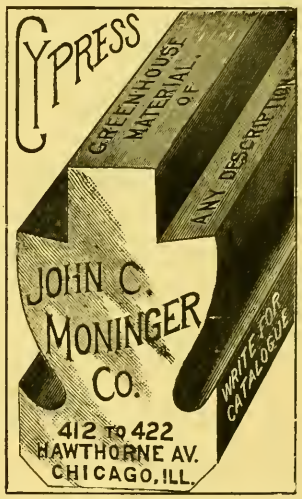
We want permanent customers, which means satisfied customers.

We can make you a permanent customer.

Your first order is our opportunity.

May we have it?

Write us about it or see the model greenhouse exhibited by our Mr. Rupp at the convention.



STEEL WIRE ROSE STAKES.

Made of Tempered Wire, Black Japanned.

2 FEET, $6.00 PER 1000.
2 FEET, 6 IN., $7.00 PER 1000.
3 FEET, $8.00 PER 1000.
3 FEET, 6 IN., $9.00 PER 1000.
4 FEET, $10 00 PER 1000.
5 FEET, $12.00 PER 1000.

H. F. LITTLEFIELD, WORCESTER, MASS.

BEGONIAS

Assorted varieties from 2 in. pots.
$2.00 per 100.
EXTRA STRONG.
CASH, PLEASE.

Edward B. Jackson,
STAMFORD, CONN.

PRIMROSE

	Per 100.
CHINESE PRIMROSES, single, mixed 2-in. pots,	$2.00
Obconica Grandiflora, 2 in. pots	2 50
" " Rosea	3.00
Forbesi, "Baby Primrose," 2-in. pots	4.00
ASPARAGUS SPRENGERII, 2½-in. pots	4.00
CINERARIAS, 2-in. pots, Sept. 1	2.00
CARNATIONS, field grown	4.00
PANSY SEED, Bonary ne plus ultra, ... oz., $1.00; none better	

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, O.

GOOD LABELS

YOU WANT THEM
WE MAKE THEM....

Our labels have received the highest praise for being the most even, smooth and best painted on the market.

We manufacture all styles for Florists and Nurserymen, including plain, painted, wired and printed.

An order will prove the above.

Samples and prices on application.

WOODEN GOODS CO., Minneapolis, Minn.
83 Western Avenue.



..."STAR"...

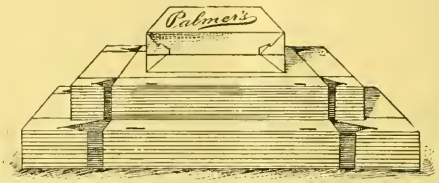
CUT FLOWER BOXES

...Have A Reputation For Superiority...

THEY EXCEL IN EVERY POINT.

THREE CERTIFICATES OF MERIT, THE HIGHEST AWARD OF THE::: SOCIETY OF AMERICAN FLORISTS.

SEND FOR PRICE LIST...



EDWARDS & DOCKER,

... MANUFACTURERS ...

16 AND 18 N. 5TH ST. AND 501 COMMERCE ST. **PHILADELPHIA, U. S. A.**

We are supplying

material for extensions for some of the best-known growers in the country, men who would not have "cheap" lumber, whose first requirement is quality.

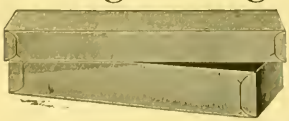
Let us give an estimate on your contemplated houses; the figures will be so low they'll surprise you. Then we'll tell you where you can see samples of our work; it will be so good it will please you.

A. DIETSCH & CO.,

615-621 Sheffield Ave., CHICAGO.

CALIFORNIA RED CEDAR AND LOUISIANA CYPRESS.

Florists' Boxes AND Mailing Packages

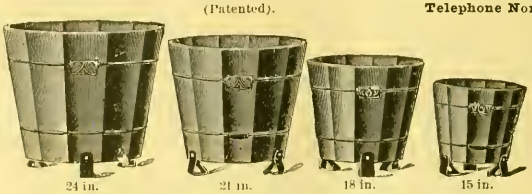


The Dayton Paper Novelty Co.,

DAYTON, OHIO.

It is good business policy to mention the ...AMERICAN FLORIST. when you write to an advertiser

(Patented). Telephone North 953.



INVALID APPLIANCE CO.,

Manufacturers of **COLUMBIA PLANT TUBS** "The kind that never fall apart."

If your seedsman doesn't handle them order of us direct.

Factory & Office, 339 & 341 Clybourn Ave., Chicago.

OUR NEXT ISSUE will contain a full report of the Detroit Convention. Advertisements for same should reach us not later than August 17.

KROESCHELL BROS. CO.
IMPROVED
GREEN HOUSE BOILER
41 to 59 Erie Street, CHICAGO.

CHICAGO, ... 189

To Green House Owners
In case you need a
Green House Boiler
send in your orders
early and avoid delay
in delivery.
Yours Truly
Kroeschell Bros Co

N.B.
Send for catalogue



This is where it works when we use your boiler

exposed or sheltered position in which the individual plants are found growing, it is surprising to find what a large majority of them yield readily. ... register about 70° in winter ... points more ...

...ead, or which are ...ted, and take sev... and bring back ...n. With newly ...rmant eyes are ...ion and respond ... into the warm, ...reenhouse. On ...d plants they ...d and decayed ...efully sponging ... potted up and ...o their better ...t that syring... ...f watering to ... start action. ...d to stand in ...lants of like ... semi-estab... ...tion they ab... Much more ...ustable sub... as injurious ...causes, etc.; ... say a word ...ever, going ... vegetative ... thousands ...s like dust, ...ules ripen ... grow the ... them and ...owever, is ...mall per... ...many be... enemies. ...ds are so ...itasetum ... and in... ...rymeria... ...ja mar... ...ii, very ...ion. In ... almost ...various ...n in U. ...deal of ...cies of ...ectary ...ia ad... ...nd de... ...lower ...ssur... ... and ...esult ...oridi... ...ears ... for ...elec... ...hat ...nia ... the ...arp ...nd ...he ...nd ...it; ...m ...or ...d. ...v ...s ...

...preter newly ... potted plants in good condition to so... ... should ... called "established plants," in which most ... the genus cypripe... ... the same section should be used otherwise they rarely give perfect results often resulting in poor issue or crippled flowers. Judgment must be used and only

Springfield, Ill.

Trade has been remarkably good for a long time. All through the winter there was a good call for first quality cut flowers and prices were better than usual. This spring there was fifty per cent more call for bedding stock than the year before. Geraniums and cannas were most in demand and there were not nearly enough to go around. During the summer business has been better than formerly.

Belle Miller undoubtedly grows more carnations than anyone here. She has worked up a very good business with this flower as her leader and expects to bench 10,000 plants this fall. Her stock looks clean and healthy now. Everything on the place is being cleaned and painted.

H. L. Phelps and A. C. Brown will likely be the only ones of the Springfield florists to attend the convention at Detroit. Just now Mr. Brown mourns the loss of a fine horse stolen from their pasture a short while ago.

Louis Unverzagt is rebuilding three houses and is erecting a fine dwelling house to rent. He hopes to get away later on for his usual two weeks vacation in Wisconsin.

David Wirth intended building a new house this year but on account of the high price of glass and other material gave it up for this season.

The South Side Floral Company has given up the cut flower business and is starting out strong in rooted cuttings.

Moss & Hay have gone out of business and are pulling their houses down. M.

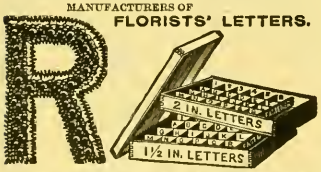
WASHINGTON, D. C.—Wm. F. Gude, ex-president of the S. A. F., has gone to Europe.

FORT DODGE, IA.—P. L. Larson has completed his new greenhouses on East Central avenue and is now nicely installed therein.

Boston Florist Letter Co.

MANUFACTURERS OF

FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

"NICOMITE"!

(PATENT.)

Vapor Insecticide.

NO LABOR REQUIRED. HARMLESS TO BLOOM AND FOLIAGE.

A Certain Killer of RED SPIDER, GREENFLY and Other Insect Pests.

THE TOBACCO WAREHOUSING AND TRADING CO.,

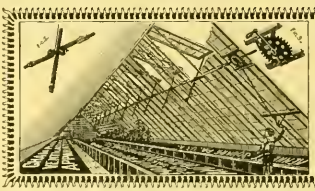
Sold by Seedsmen. LOUISVILLE, KY.

SOLD BY THE SEEDSMEN OF AMERICA

FOR FLORISTS' AND GARDENERS' USE.



GRAPE DUST is excellent to check **Spot** on **Chrysanthemums** and **Black Fly** too; also all sorts of **Mildew**, etc. It does not stain the plant; is put up 5, 10 and 25 lb. bags, in kegs and barrels. It is extensively used at the present time in the United States.



A GOOD FAULT.

Many users claim that the only fault to be found with the.....

CHAMPION VENTILATING APPARATUS

is that it never wears out and never needs repairs. If you think this is a good fault write for catalogue which tells all about the many good points of the Champion Apparatus. Address

AMERICAN ROAD MACHINE CO.,
Kennett Square, Pa.

Meyer Green Silkaline



for tying bouquets and stringing Smilax and Asparagus. Can also behad in colors to match the natural flower shades. Send for samples and prices.

JOHN C. MEYER & CO.,
Mfrs. and Wholesalers,
87 Summer St. Boston, Mass.

A. HERRMANN

Manufacturer of **Florists' Supplies**

Send for a price list.

404-406-408-410-412 E. 34th St., NEW YORK

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

Please mention American Florist when writing.

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

THE MODEL EXTENSION CARNATION SUPPORT.

LANCASTER, PA., June 17, '99.
MR. THERON PARKER,
Brooklyn, N. Y.,

Dear Sir:—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as *good plants* with growers when better known. I consider it the best on the market; and if your other specialties are equally as good, they should make another addition to the money makers of 1900.

Respectfully,
ALBERT M. HERR.

Samples and Prices on Application to

THE MODEL PLANT STAKE CO.
226 North 9th St., BROOKLYN, N. Y.

The Model Rose Stake, Looped and Pointed.

The Model Plant Stake for Lilies and all Pot Plants.

OVER 3,000,000 SQUARE FEET OF GLASS

HEATED WITH FURMAN BOILERS

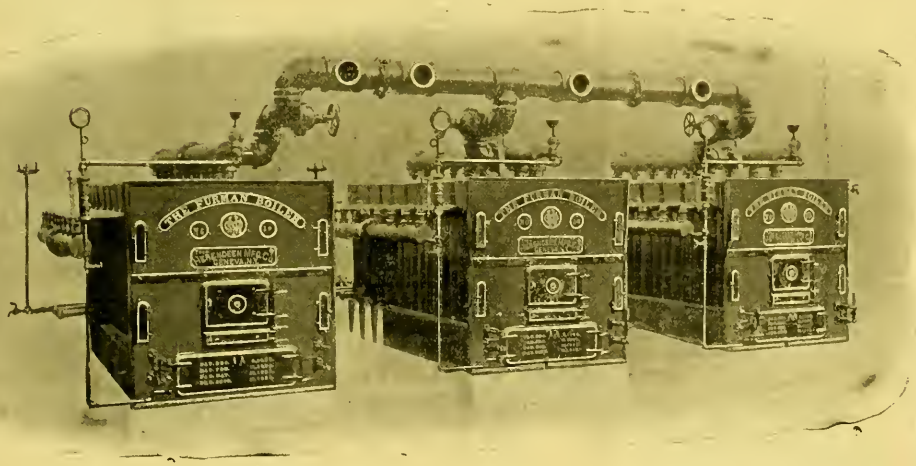
Made in over 150 Sizes and Styles for Steam or Water with Capacity from 200 to 2,000 Square Feet Glass.

PORTABLE AND BRICK—SET STYLES. - - - - SURFACE AND MAGAZINE BURNERS.

Write us for Figures and Suggestions.

Our Piping Plans Will Save You Money.

Our Florists' Catalogue (free) will Interest You.



The above cut shows three of our No. 12 Steam Boilers installed in the Greenhouses of R. Vincent & Son, White Marsh, Baltimore Co., Md. (Capable of Carrying 60,000 Feet of Glass.)

A FEW EXTRACTS OF LETTERS FROM PROMINENT FLORISTS.

Wm. F. Gude, President Society American Florists, Washington, D. C.

For many years I have used the Furman Boilers, and shall always be pleased to speak a word in favor of vertical circulation and screw joints, as embodied in your Furman.

E. B. Clapp, South Boston, Mass.

It is with great pleasure I recommend your Furman Boiler. I have had your No. 7 in use for several winters and find it heats my houses in first-class style.

S. J. Reuter, Westerly, R. I.

Your No. 10 Steam Boiler is heating over 30,000 square feet of glass (or twice as much as your catalogue rating), and does not require one-half as much attention as some of the wrought iron tubular boilers which are heating other sections. I am so well pleased with your boilers that I give you an order for two No. 12 steam boilers. At all times I am ready to speak a good word for the Furman.

Anson Wheeler, Concord Junction, Mass.

Am now heating four houses (24,000 square feet of glass) with two of your Furman boilers to my perfect satisfaction.

Allen B. Wells, Saratoga Springs, N. Y.

Last Winter the thermometer went 37 degrees below zero, and your No. 7 boiler kept my four greenhouses (roofs alone containing 6,200 feet of glass), on only 20 tons of hard coal. It gives complete satisfaction.

H. J. Whittemore, Winchendon, Mass.

I thoroughly endorse and recommend The Herendeen Mfg. Co. for boilers, fittings and advice.

Wm. Nicholson, Framingham, Mass.

It gives me great pleasure to speak a good word for the four Furman Boilers I have in use. The No. 8 heats 10,000 feet of glass, has been running 9 years and only cost for repairs the price of two new grate bars.

Rhode Island Greenhouses, Pawtucket, R. I.

I want you to know my entire satisfaction with the two No. 12 Furman Boilers you installed for us. These boilers replaced three vertical boilers. In five months we have saved 23 tons of coal and the expense of an extra fireman. Your boilers far surpass any boilers that have ever come under my notice.

Address **The Herendeen Manufacturing Co.,**

Home Office and Works, 50-60 Vine Street,
GENEVA, N. Y.

Branch Offices. { Boston, 120 High Street.
New York, 39 Cortlandt Street.

Buffalo.

AN HONORED MEMBER OF THE CLUB PASSES AWAY.—MAN WHO MADE THE PARKS.—MANY VISITORS IN TOWN.—JOTTINGS.

The Buffalo Florists' Club has suffered the loss of an honored member in the death of Wm. McMillan, superintendent of Essex county parks in New Jersey. Mr. McMillan was a resident of Buffalo for twenty-seven years and executed most of the work on our park system. He was a man of integrity and many attainments, a member of our club and the S. A. F. His paper on carpet bedding at the convention here in 1889 will always be remembered. The funeral was held here August 4 and was largely attended.

Phil. Breitmeyer paid us another visit homeward bound and J. Austin Shaw has been in town. George Asmus, an old Buffalonian, from Chicago, is here and so is Peter Crowe, of Utica, and, strange to say, he brought his wife. There is no one as slick as an old one. He endeavered to palm his daughter off as his wife, but it was no go. We all said her eye-sight was too good for that.

S. A. Anderson is able to be about again.

W. F. Kasting is in Pittsburg on business. W. A.

ROCHESTER, PA.—B. F. Engle has leased a piece of land here and has moved his greenhouses from Beaver.

CROMWELL, CONN.—W. E. North, of Plantsville, has been engaged to superintend the range of new rose houses recently completed by A. N. Pierson.

MEDIA, PA.—Dr. Wm. H. Mattson, of Chester Heights, has been a successful grower for some years and is now preparing to enlarge his business not a little. He has just completed a house 24x100 and is getting ready to put up another similar structure. He has also just completed a mushroom house 8x100.



BRANCH WAREHOUSES:
Kearney and Westside Aves., Jersey City, N. J.
Jackson Av. & Pearson St., Long Island City, N. Y.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.
Mention the American Florist.

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not follow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy from those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars or Estimates.

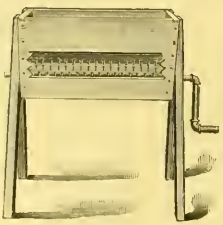
Lockland Lumber Co.
LOCKLAND, OHIO.

H. M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.
GREENHOUSE GLASS
OUR SPECIALTY.
LARGE STOCK PROMPT SHIPMENT.
Also Manufacturers of Pure Linseed Oil Putty, Paints, Brushes Etc.
WRITE FOR LATEST PRICES.

DON'T PLANT YOUR CARNATIONS....

Until you have run the soil through our Pulverizing Machine; it will pay you. **90 per cent** of the florists in Buffalo are using our machine. It will pay for itself the first week. Stone and gravel have no effect on it, it is made very strong. It can be regulated so as to make the soil fine or coarse as you wish.

We guarantee it will do the work far better and quicker than it can ever be done by hand. The cylinder is framed with iron plates to prevent its wearing out.



(Patent applied for.) SIZE { No. 1, $5 00 / No. 2, $10.00

BUFFALO, N. Y., June 26, 1899.
FLORISTS' SUPPLY CO., North Tonawanda, N. Y.
Gentlemen:—I have made a thorough trial of your Ground Crushing or Mixing Machine and find that it is satisfactory in every respect. It has already paid for itself in the saving on labor. I can hardly see how any florist can do without them.
Yours very truly, JOS. H. REBSTOCK.

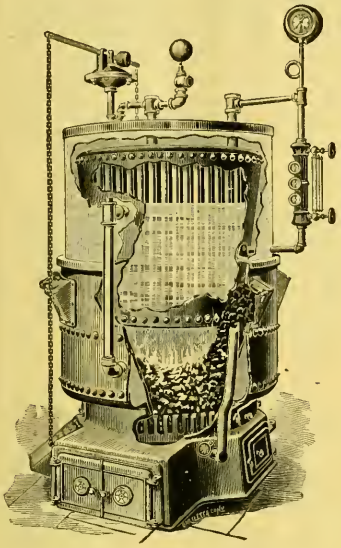
NORTH TONAWANDA, N. Y., July 15, 1899.
FLORISTS' SUPPLY CO.,
Gentlemen:—I have used your Ground Crushing Machine ever since I first procured it from you and it does all you claim for it, pulverizing the earth finely and rapidly. I like it and find it a paying machine. B. F. FELTON.

BUFFALO, N. Y., June 21st, 1899.
I have used the Soil Crusher and Pulverizer made by the Florists' Supply Co., of Tonawanda, N. Y. It is a labor saving machine, breaking up the soil admirably of almost any texture. The only soil it wont handle is a very stony soil or a very green sod. It also breaks up animal manure in good style if not too fresh. WM. SCOTT, 546 Main Street.

FLORISTS' SUPPLY CO., BUFFALO, N. Y., July 29, 1899.
Gentlemen:—The Soil Pulverizer we ordered from you came in due time. In answer would say that it is a great labor saving machine. Two men with the machine can do as much work as six (6) can any other way. Yours truly, W. J. PALMER & SON.

THE FLORISTS' SUPPLY CO., Box 56, No. Tonawanda, N. Y.

Why Sit Up All Night To Watch Your Fire?



THE CORTON SIDE FEED BOILER.

HENRY KAEMPFER, FLORIST,
LIBERTY, SULLIVAN CO., N. Y.,
February 6, 1899.

DEAR SIRS: Referring to the No. 34 Gorton Side-feed Boiler, which I have in use, would say that this **boiler works to Perfection.** It is heating two of my greenhouses and also three lines of 1½-inch pipe in a third house. With the **temperature down to 8 degrees below zero** the boiler gave all the heat required.

The boiler will run for **twelve hours without attention** and give us heat to the last. **It only burns about 300 pounds of coal per day.** I am sure if your boilers were better known among florists that there would be a great number of them used. Yours truly,

HENRY KAEMPFER.

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Write for our Catalogue No. 47, quoting low prices on

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Pittsburg.

BUSINESS QUIET BUT STOCK IS INADEQUATE. —FRED STOKES MAKES HIS EXIT.—PERSONAL JOTTINGS.

Business has been rather quiet but, nevertheless, there is not enough stock to meet the demand. So far seasonable rains have favored us and all outdoor stock, especially carnations, are in good shape.

Fred. Stokes, manager for Wm. F. Kasting & Co., and also connected with the International Growers' Exchange, of this city, left town last week and in his haste forgot his trunk and numerous creditors. Mr. Kasting is in the city straightening out matters. The business will be continued and he will spend much of his time in Pittsburg in the future.

Miss E. B. Maxwell, of Wilkinsburg, is off on a ten days' vacation.

Samuel McClements sailed from Europe on August 9. GEO. OESTERLE.

ELKA PARK, N. Y.—J. B. Keller, Rochester, N. Y., arrived recently and will spend the reminder of the summer here.

MARINETTE, WIS.—George Vatter has a fine stock of ferns and tropical plants, for which he finds ready sale. Business has been good with him this season.

SYRACUSE, N. Y.—Hail caused considerable damage, on August 2, to the houses of P. R. Quinlan & Co., John Bronner, Peter Kay, W. Meneilly, Gustave Bartholmew and others. L. Guillaume and L. E. Marquisee were among those who escaped.

BROCKTON, MASS.—The Brockton Florists' Club is arranging for a fall exhibition to take place November 1 to 3. At the last meeting Messrs. Cooper, McFarland and Graham were appointed a committee on ways and means. There was a discussion on aster culture. Carl Blomberg gave an interesting talk on the subject.

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"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
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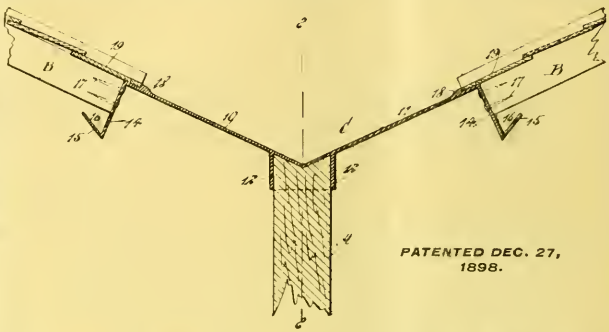
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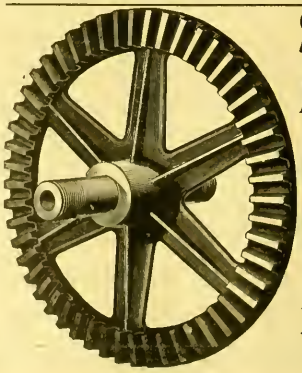
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...AND NEATNESS.

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E. Hippard,
YOUNGSTOWN, OHIO.

Mi Dear Frenz i Wish u Wood pleze Reed wot theze fokes sa bout mi Ventilatin contrapshin, an Hinges fur Sash, an then send fur a cat-a-log.



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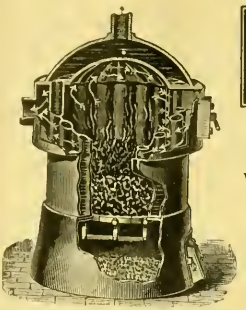
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OUR NEXT ISSUE will contain a full report of the Detroit Convention. Advertisements for the same should reach us not later than August 17.

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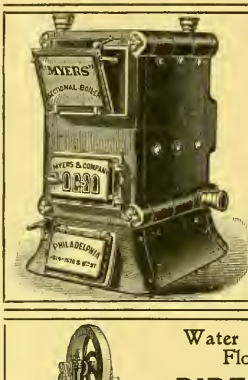
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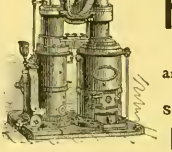
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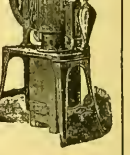


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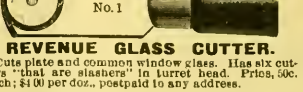
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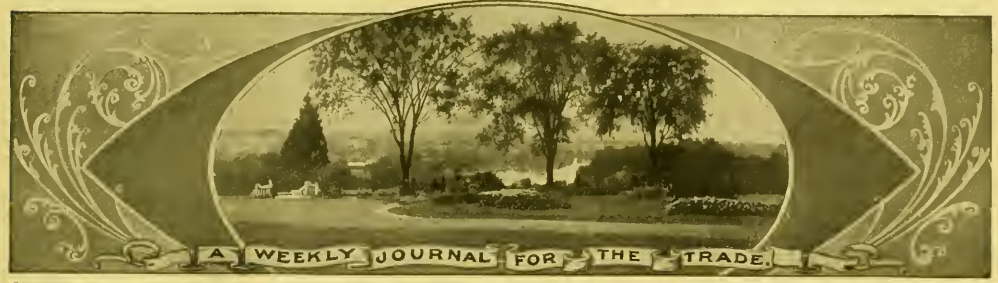
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THE AMERICAN FLORIST



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Vol. XV. **CHICAGO AND NEW YORK, AUGUST 19, 1899.** **No. 585.**

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J STEWART, 67 Bromfield St., Boston, Mass., secretary; H B. BEATTY, Oil City, Pa., treasurer. The fifteenth annual meeting will be held at Detroit, Mich., August 15, 16 17 and 18, 1899

OFFICERS-ELECT [to be installed January 1, 1900], E. M WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Detroit, Mich., August, 1899. ELMER D. SMITH, Adrian, Mich., Secretary.

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THE DETROIT CONVENTION.

In every respect the fifteenth annual convention of the Society of American Florists, opened at Detroit Tuesday, August 15, was one of the most successful in the history of the organization. The attendance was very large, and it is believed that a larger portion of the country was represented than has been the case at any previous convention. The exhibition was exceptionally full and interesting. The local florists' club made very elaborate and finished preparations for the visitors, and in the entire proceedings there was a harmony of feeling and action, combined with practical helpfulness, which are none too common in such gatherings. All the best elements of the trade were well represented. The matter-of-fact way in which members went about the business of the meeting was a credit to all concerned. The decorations for the occasion were especially noteworthy, and with the usual display of plants, flags and bunting included an elaborate triumphal arch, 30x50 feet, in close proximity to the building in which the meeting was held, and an electric ornamentation of the front of the city hall with the legend "Welcome Society American Florists." Conspicuous among the stage decorations were the long stemmed Kaiserin roses supplied by W. W. Coles, of Kokomo, Ind., and the gladioli from the Cushman Gladiolus Company, of Euclid, Ohio.

Late trains from the east delayed the opening exercises somewhat, but when President Breitmeyer of the local club got to work, introducing Mayor Maybury, business and pastimes, as they occurred upon the programme, were indulged in at high pressure until a late hour Thursday evening. The shooting contest took place Thursday afternoon, and Friday was devoted to the bowling tournament. Particulars of both events will be found in our _____s department.

Mayor Maybury's Address.

GENTLEMEN OF THE SOCIETY OF AMERICAN FLORISTS:—I am glad to see you here this morning, to utter a word of cordial welcome to you and to express the hope that, while remaining with us, you will live in the odor of our most generous hospitality. Here in Detroit we have good times and hard times, we have railroad times and some other times; but there is just one kind of a time that we want you to have and that is a good time. Dear friends, that is a time which the hands of the clock do not govern; you control and make that time; you cannot make it, for us, too good for yourselves and we will be close by to help you make it a royal good time.

Perhaps I might voice this welcome as I would voice the welcome that comes with the spring time. Our winters are long here; the snow and ice linger along, almost until the May-day at times, and the first precursors of the coming summer appear in the form of little, unpretentious flowers. The passer-by would scarcely notice them, but, thinking of the summer, he is watching for the evidence of its coming; but here and there, coming almost in a night and from a source that no man discovers, we see the little, modest daisy. It seems to peep out from the decaying snow and to say, "Am I welcome?" and the hearts of those who have suffered through the cold winter, with its cares and anxieties, respond to the pretty stranger, "Yes, you are very, very welcome." As that flower is to the promise of the summer, so is your coming to us; and as you look into our faces and ask the question, "Are we welcome?" I respond, as does he who watches the coming of the rose, "Yes, you are very, very welcome."

You are welcome also for the purpose for which you come. It is peculiar to these times that people who have a secret, whether it be in the propagating of the rose or the vine, or a secret in any art, do not lock it up in their hearts, as they used to do in the olden times and say, "This is mine and I shall keep this secret, carry it with me and make merchandise of it." The world is not content to allow any man who has such a secret to keep it for himself. He must recognize himself as a trustee of the Almighty; and that secret of his business, if, as in your case, it is to make the flower larger and prettier and to add to its perfume, he has no right to keep, and you are here to-day for the purpose of giving it to your fellows,

instead of keeping it. We read of the "lost arts" in this world; we believe that the world has from time to time come up to the high tide of art, and then seemed suddenly to recede again; that was due wholly to the fact that men were selfish in those days. The physician who had an antidote for a disease never prescribed or revealed it to anybody, until, passing away, the secret died with him. The descendant of old Vulcan, Tubal Cain, learned to temper iron and make it strong and pliable; they made the Damascus blade, and we find, away off in those centuries, secrets in iron and steel manufacture that were not discovered until this day. Had Mr. Bessemer, in those days, discovered the art of annealing and making steel pliable and tried to keep it a secret, he would not have been the honored head of the steel industry, but it is because he gave it to the world that you and I are reaping the benefit of it, and he has not been kept from his just reward. No, my friends, the time never was in this world as it is now, when people came together to exchange the best thoughts in art, and they seem to delight in spreading their knowledge so that the world may have the benefit of it. This is a peculiarity of the age in which we live, the best age, in my judgment, that the world has ever seen.

But how much of life gathers around the flower! Why, if you should take away from the heart of childhood and the memories of manhood the morning glory, training up the windows and over the doors, it would take a great deal of sweetness from our homes. The rose never blossoms or gives forth perfume as it does when close to the human voice and a human habitation. Just in proportion as it is remote from human auspices the flower is lacking in verdure. In a country where there are no flowers there is no human voice. When that voice is near at hand it seems to have the magic of drawing from the most barren place the perfume of the rose.

Now, my dear friends, you have come to an old city. I don't mean to say that we are very ancient because we have succeeded to an ancient regime, for we are rather a modern city. On July 24, 1901, we hope to celebrate the 200th anniversary of the founding of the city of Detroit. Within a distance of half a mile from where you are sitting the early voyagers landed on an evening of that date. The scene, it is said, was delightful. The sun had sunk in the west, the sky was cloudless and the birds had folded their wings to rest. Having landed, the pioneers erected a rude altar and there the sweet tones of the evening vespers were chanted by the attending priests. When I reflect upon the freedom of this city from fire, flood, disease and those calamities that have afflicted our neighbors, I cannot help but think of the consecration of that evening, when the first act was one of religious devotion and a recognition of God, as a blessing which has come down to us even to this day.

We lived for nearly a century under the French flag and a French regime, when the language spoken was wholly French; we passed then to an allegiance to the British flag; and now, for a hundred years, we have been living, and we hope to live forever, under the stars and stripes. We have an island park here and, as I want you to go there before this convention adjourns, I feel that I ought not to say anything about it. To describe it would be impossible, but I may say it is a place consecrated to peace and happiness; and this was so true in savage days that the red men gathered there to smoke the pipe of peace and seemingly were unwilling to desecrate the place by the shedding of one drop of human blood.

My friends, you have come to a city that is proud of its homes. In no city in the world is the land owned by the householders to the same extent as in the city of Detroit. You will see the palace home and the cottage home side by side, but you will see everywhere the evidences that those who occupy the palace and the cottage are alike their owners. That ownership is seen in the cultivation of the flower garden and of vegetables for the table, and the hand of the housewife and the husbandman is seen in the trailing vine and rose bush over the windows and doors. This is, perhaps, our greatest pride, that Detroit is a city of homes and home owners. To this city, to its



A DETROIT PICTURE OF PRES. RUDD.

hospitality and with the kindly greeting of all its citizens, I welcome you. Let me repeat what I said in opening—pay attention to no other time except "a good time."

Robert Craig's Response to the Mayor.

Ex-President Robert Craig, of Philadelphia, made the response to the Mayor. He expressed appreciation of the kindly welcome and suggested that a solution of the question as to the reason for this cordiality would be found in some expressions of His Honor. He continued:

He talked about flowers. That is the common platform that has brought us together. Men may differ on religious, political, financial and other matters, but when they come to the contemplation of the beautiful, as it is in the floral kingdom, they all unite in a common sentiment of sympathy and admiration. I am afraid that we who follow floriculture as a calling, for the support of ourselves and families, very often lose sight of much that is beautiful in connection with our business. The whole art is a delightful one. Take the fern seed for illustration. Insignificant in itself, almost without character, so small that you can scarcely see it, yet when put under proper conditions it develops with such exquisite gracefulness that its whole being is bewitching beyond expression. The artist who strives to convey its beautiful forms to canvas is inspired by it and the musician sounds its praise in the sweetest strains. So it is that we understand why we are welcomed, as we have been by the cities of the country, and never more fittingly than in the kindly words to which we have listened this morning.

Mr. Craig here explained that, as the convention had been unavoidably detained far beyond the appointed hour for the opening, he would be obliged to curtail his remarks. He assured His Honor, the Mayor, and the people of Detroit, that the evidences of kindly attention to be seen on every hand and the cordial words of welcome just uttered were fully appreciated. The object of the convention was to disseminate knowledge of horticulture. Thither had come the practical men who watered the plants and gave them daily attention and these came in contact with the scholar and the student who had spent their time in devising means to counteract plant disease and kill insects, which the florist himself had neither the time nor the appliances to do. The union of the two classes is productive of much sympathy and benefit.

Mr. Craig added that a threatened danger to these convention meetings at the present time was the craze for athletics. He was apprehensive that the enthusiasm for the pastimes would have a prejudicial effect upon the value of the meeting unless some means could be devised to put a bridle upon gentlemen like Mr. Westcott and Mr. Anderson. He said he only threw out the suggestion by way of caution. It was well known that the great educational institutions of the country had been confronted by the same problem. Harvard, Yale, Princeton and Pennsylvania had encountered these waves of enthusiasm, but there had never been a worse case of it than that now existing in the S. A. F. Mr. Craig closed amid applause with some amusing references to the gentlemen named.

President Rudd's Address.

LADIES AND GENTLEMEN OF THE SOCIETY OF AMERICAN FLORISTS:—Fifteen years ago, with mingled hopes and doubts and fears, assembled the first convention of the florists of America, the first convention of the Society of American Florists. Thirteen times in the intervening years have we met together for the same purpose. Men who were young, as we accept the word, at the time of this first convention, have now reached middle age. Men in the mature vigor of their fourth decade, now feel old age creeping upon them. Annually new faces have appeared among us and annually have old and honored members stepped from the ranks, to assemble with us in this world never again.

This mysterious, this incomprehensible thing we call life and growth, this never-ending removal and replacing of parts, has been at work with us all these years and we are met here to-day, in our fifteenth annual convention, the same, and yet not the same, as at our first.

This society stands to-day for these three things:

To discourage and stamp out from our profession and practice that which is bad.

To commend and retain that which is good.

To point out and obtain that which is lacking.

These are what it was organized for; they are what it has steadfastly stood for during all the years of its existence; they are what it stands for to-day and I



E. M. WOOD, PRESIDENT-ELECT OF THE SOCIETY OF AMERICAN FLORISTS.

devoutly believe it will so continue long after you and I and all of us have passed from the stage and its work is done and its course guided by other hands and other heads.

The year passed has been notable as one of great prosperity generally. The florist, both grower and merchant, has had his fair share of this increase in the general volume of business and, unless all signs fail, the Society of American Florists at this meeting is to largely recover, financially, what it has lost during the hard times and by reason of holding a convention at a place remote from its center of membership. As a missionary movement, and as a compliment to its members in the west, the meeting at Omaha, was desirable but, as was foreseen by many, the result was a serious financial loss.

At the present time, perhaps nine-tenths or more of our members are located between Boston and Chicago and north of Washington, the center of membership being, probably, in Pennsylvania. The financial welfare of the society, and a due consideration for the greatest good to the greatest number, should prevent frequent meetings outside this territory until the western and southern membership is increased. The horticultural sun has always been in the east, but it is already high in the heavens, and is traveling toward the meridian. We may expect to see the time when the meetings can be held as frequently in the west and south as in the eastern cities.

During the current year has occurred the discontinuance of the Florists' Mutual Fire Insurance Company. After every effort on the part of the able men having the association in charge, the general apathy of the trade has compelled them to give up the stuggle.

The birth, or rennaissance, of the American Rose Society is a matter of interest to us all. We wish it God-speed. May it do as much for the rose as its sister society has done for the carnation.

The continually increasing demand for plants has been noticeable, especially for flowering plants. While no doubt a part of this demand is due to the high price of cut flowers at the holiday season and Easter, there is no question but what the growth in that direction is far beyond what could occur from so small a cause.

Enormous quantities of the Boston fern have been produced and sold. The plant is altogether lacking in the stateliness and grace which characterizes the palm and the delicate beauty of form and color shown by many of our greenhouse plants, yet every point of its ragged fronds speaks strength and vigor. Its strong growth and adaptability to unfavorable conditions, and its comparative cheapness, withal, have assured its retaining the place in popular favor which it so quickly gained.

The year's list of new plants introduced in this country is not especially large and apparently contains nothing of strikingly unusual merit. In the early part of the year we followed with amused admiration the Boston exposition of how to advertise and sell a new carnation.

A decided tendency exists in outdoor planting to use less of the highly colored flowering and foliage bedding plants, substituting massed effects of perennials and shrubbery, especially the native forms. It is quite likely that the planting at the World's Columbian Exposition, so much discussed at the time, is largely responsible for this movement, and as many of the leading parks and cemeteries are working on this line, it is well for the florists to take heed.

Many railroads are giving special attention to the care and adornment of their station-grounds with flowers. This practice is rapidly extending, and not only as creating another market, but more especially as placing well designed and well cared for plantations most prominently before the public, is in future to have a marked effect.

The matter of sub-irrigation in the greenhouse is worthy of careful investigation.

The present growth in floriculture in the west and far west is phenomenal. The number of glass structures being erected this year is unprecedented, notwithstanding the seemingly prohibitive prices of material. The tendency in the east seems to be more in the line of rebuilding, modernizing and increasing the quantity and quality of product from a given space, rather than enlarging that space.

Present conditions may render profitable these enormous ranges of cheaply built, poorly equipped houses, supplied with insufficient and unskilled labor, but the future has sad lessons of experience in store for their owners.

We are not as a class receiving from the experiment stations—institutions established and conducted with public funds and for the public good—those benefits to which we are entitled. For this state of affairs no one is to blame but ourselves. We have neglected to make our wants known in an intelligent manner and have not accepted gracefully what little work has been done in our behalf.

In the press and at our meetings frequent complaint has been made of the lack of variety in flower stores. It has been well characterized as "that everlasting sameness." Many an old-fashioned flower could be grown and sold to-day to the profit of both grower and retailer as well as the satisfaction of the customer.

The increase in the number of sidewalk flower sellers, and the vast quantities of stock disposed of by them, has been a perennial source of argument between different branches of the trade. This class of dealers is a boon to the wholesale house and to the growers, by making a market for otherwise unsalable stock. With the exception of an exceedingly small percentage, their trade is wholly with those who do not patronize flower stores, and it is an open question whether they do not create flower lovers and flower buyers enough to amply repay the legitimate retailer for such few customers as they attract from him.

The list of new plant names registered will be of little value unless it is full and complete. The present fee would seem much too high. The question of carnation registry, also that of the chrysanthemum, rose and dahlia requires attention. I would suggest that this society consult with all the auxiliary societies having in charge special flowers, with a view:—First, to establish a uniform registry fee to be charged by each; second, for this society to recognize and register free, all names properly registered before the

auxiliary societies, they in turn to accord the same courtesy to names in their special line registered with our secretary.

In conclusion let me say a word for that much abused body, the executive committee. The men composing this committee are, almost without exception, in charge of large established interests. Their time is money and the giving up of a week to the business of this society is a distinct financial loss to each and every one of them, and each one of them is annually put to an additional actual expense generally greater than that necessary to secure life membership in the Society of American Florists. For earnest, intelligent and conscientious hard work I commend the executive committee to you.

Judges of the Exhibits.

President Rudd announced the following list of judges to pass upon the displays in the trade exhibit:

Plants, Class A.—Emil Buettner, Geo. Fancourt, C. D. Ball.

Cut blooms, Class B.—Alex. Montgomery, A. S. Burns, J. M. Gasser.

Boilers, Class C—Samuel Henshaw, C. B. Whitnall, A. S. Swanson.

Greenhouse appliances, Class D.—J. F. Wilcox, A. Graham, John Burton.

Florists' supplies, etc., Class E.—Robert Kift, P. J. Hauswirth, J. W. Ludwig.

Bulbs and seeds, Class F.—Robert George, Warren Ewell, F. L. Atkins.

Miscellaneous, Class G.—Robt. George, Robert Kift, J. F. Wilcox, Samuel Henshaw, Alex. Montgomery, Emil Buettner.

Medal awards.—Jas. Dean, John N. May, Wm. Scott.

Report of the Secretary.

MR. PRESIDENT AND MEMBERS:—In reporting a decrease of membership for 1898 of about seventeen per cent from the previous year, I desire to say that this condition, under the peculiar circumstances of last year, does not indicate any weakness in our organization, but should rather be regarded as an evidence of vitality because the loss was not greater. The results of the present year will, I believe, show that this reduction in our membership was only temporary, while the record of what we accomplished in 1898, the broadening of our lines and the systematizing of our work, afford good evidence that the society has now reached that stage where the size of the attendance at its conventions is no longer the only test of its strength.

I have to report the full paid up membership for 1898 as 434 inclusive of nineteen life members. The new names added during this year numbered fifty-six, of which one each were from Virginia, New Jersey, Michigan, Georgia and Washington; two each from South Dakota and Wisconsin; three each from New York, District of Columbia and Kansas; six each from Illinois and Minnesota; eight each from Missouri and Iowa, and ten from Nebraska.

The loss of 144 members who had been in good standing in 1897 was due solely to the indifference resultant from the holding of our annual meeting in a locality so remote from these centers whence our strongest support in membership has been heretofore derived and our return to these more thickly populated communities will, in time, without doubt bring many of them back into line, while our new activities such as co-operative purchase and plant registration are already beginning to secure us new accretions that are likely to be influential and permanent, regardless of where our annual meetings may convene. There is also an increased prominence in the trade exhibition feature of our conventions and we shall make no mistake if we give our best thought to the further development of this department which should eventually become so important that no enterprising florist will think of missing it, and also to the reasonable encouragement of the recreative features which are so dear to the hearts of many of our best members.

The printed transactions of the society for 1898 contains all the speeches and essays, the valuable discussions and other business of the sessions at Omaha, in full, reports of the superintendent of the trade exhibition, the judges and various important committees, the medal awards, a list of plant introductions for the year, the story of how generously our Omaha brethren entertained us, the membership list by states and alphabetically, together with the transactions of the auxiliary societies. It records the inauguration of



F. R. PIERSON
Vice-Pres elect of the Society of American Florists.

the new departments of plant registration, co-operative purchase, legislation, arbitration and claims adjustment, all of which have been in operation during the year and will be reported on at this session by the proper committees.

The list of new plants registered at the secretary's office up to date is as follows:

July 12, 1898, by The Conard & Jones Co., rose Miss Clara Barton, and cannas Admiral Schley and General Shafter.

October 29, 1898, by Rob't Sandilord, pelargoniums Sandiford's Surprise, Sandiford's Wonder, and Sandiford's Best.

November 10, by John H. Taylor, rose Admiral Dewey.

November 27, by John Cook, rose Baltimore.

December 30, by Alex MacLellan, chrysanthemum Regina.

January 3, by M. H. Walsh, rose Lillian Nordica.

January 19, by Hoffmeister Floral Co., rose Maid of Honor.

January 27, by Freeman & Fletcher, violet Columbia.

January 27, by C. Eisele, carnations Neptune, Mercury, Venus, Jupiter, Uranus, Rising Sun, Saturn, Vulcan, Vesuvius, Estella and Minerva.

February 1, by J. C. Vaughan, cannas Red Indian, Mandarin and Victory.

February 25, by Good & Reese Co., rose Frances E. Willard.

February 27, by H. Eichholz, geranium America.

March 27, by Ernst G. Asmus, rose Liberty.

April 6, by American Rose Co., rose Ivory.

May 20, by W. A. Manda, Cypripedium insigne Mrs. Geo. B. Wilson.

July 15, by A. Herrington, Hemerocallis Florham.

July 25, by W. A. Manda, Dendrobium nobile Mrs. Geo. B. Wilson.

The names Miss Clara Barton and Admiral Dewey as applied to roses, were given each to the productions of two different firms and it is a pleasure to report that in each case deference was given to the parties having registered the name with the Society of American Florists and their right to the exclusive use of the title in question honorably acknowledged by the claimants who had failed to register.

The executive committee meeting in this city last March was attended by all the members but one. An infinity of questions concerning the society's welfare were taken up. A synopsis of the committee's deliberations was given in the trade journals at the time and the programme of this convention as now before you is also based on action taken at that meeting. The matter of the guarantees made by certain members against financial loss to the society by reason of the visit to Omaha was considered and it was decided that the guarantors should be permitted to fulfill the obligations they had assumed, whereupon Mr. Kellogg, who was present, at once paid over the sum promised by him and the committee voted that in recognition thereof Mr. Kellogg be constituted a life member.

Upon notification by the secretary, two other guarantors, Messrs. Benj. Hammond and H. A. Siebrecht remitted the amount respectively subscribed by them, thus leaving only one guarantor yet to settle. The secretary hopes that the generosity of these gentlemen will be recognized as in the case of Mr. Kellogg by a vote of the society making them life members.

The losses by death of members during the year since our last meeting have been as follows:

Robert Christie, of Newport, died on January 7, 1899.

J. Kadletz, Dongan Hills, Staten Island, April 11, 1899.

Julius Koenig, St. Louis, April 22, 1899.

E. H. Hunt, Chicago, July 25, 1899.

The communications to be presented later show that our society has a reputation both wide and good, and that a visit by the S. A. F. is universally regarded as a high honor to a community.

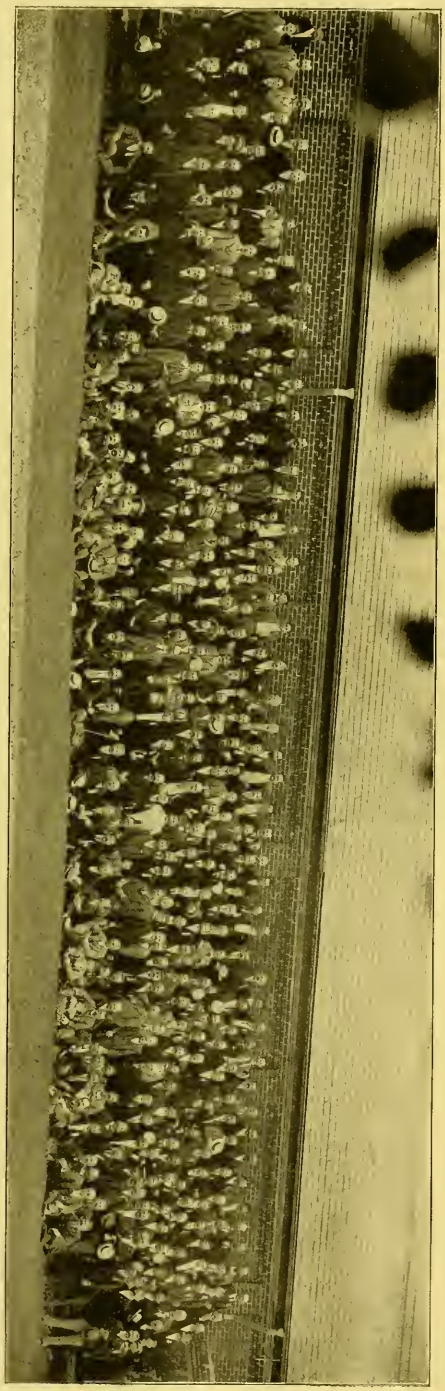
In conclusion, your secretary takes this opportunity to thank the officers and members for the continued kind forbearance, willing assistance and friendly encouragement so cordially extended throughout the year now closed.

WM. J. STEWART.

Department of Co-operative Purchase.

Chairman E. M. Wood presented an exhaustive report upon this important work of the society, of which the following is a necessarily brief summary:

The committee was handicapped in the first part of the season by the decline of prices and their subsequent sharp and continued advance, causing quotations



MEMBERS OF THE SOCIETY OF AMERICAN FLORISTS AT THE DETROIT CONVENTION.

to be good only for the moment and entailing much vexation, delay and clerical work for which the committee was poorly equipped. Enough has been accomplished, however, to indicate what might be the value of this department to the society if placed upon a permanent basis. The committee sent letters to those who purchased through the department, requesting them to state what benefit, if any, and in what manner, the co-operative department of purchase had been to them.

M. H. Walsh, of Wood's Holl, Mass., writes that the saving to him was $27 on sixty boxes of glass, $3.25 on 200 pounds of putty, $15.50 on 350 pounds of lead, $24 on 600 feet of hose, $1.05 on sixteen gallons of linseed oil—being a total of $70.80. He says: "I think the co-operative department of purchase a most important and valuable branch of the Society of American Florists. I hope its members will avail themselves of the benefits to be gained by purchasing through your committee, as the larger the amount purchased, the lower the cost."

J. D. Imlay, Zanesville, O., writes: "I think I was very fortunate in getting my glass through the Society of American Florists' department of purchase. I saved at least $1.80 per box on twenty-two boxes, making about $110 saved."

The E. Hippard Co., Youngstown, O., writes: "We will say that we saved on our glass purchased through your department about 90 cents a box on 16x24 double A glass, making a saving of $160.65 on 175 boxes.

There are others of the same tenor.

It is here shown that the saving to those members who availed themselves of the opportunity to buy their supplies through the co-operative department of purchase, has been large and, as indicated in last year's report of your committee, the percentage of saving is much greater to the small purchaser than to the larger one, especially when the latter is located in or near the larger cities.

In continuing this department of purchase, your committee would recommend the following changes in its management: We believe there should be a paid official to have charge of this department under the direction of a committee of three of the executive committee. He shall devote his entire time to the business of this department and shall report once a month or once a quarter to the committee of three having charge. In this way its business would be properly done, and with dispatch. He should be paid by a percentage upon the purchasing price, which percentage should be added to the distributing price.

The committee would also suggest another form of running this department and we believe it to be the better of the two: By organizing a corporation to be known as the Co-operative Department of Purchase and Distribution of the Society of American Florists, with a capital at its organization of not less than $12,000, the society to hold fifty-one per cent of its common stock and its members the balance. Whenever there is any increase of the capital, the society shall always retain fifty-one per cent of the common stock, allowing the members to purchase the balance, no member to have over one share. The profits of the business to be divided in the following manner: Fifty per cent to be paid to the purchasers, or customers; fifty-one per cent of the remaining fifty per cent to the society and the balance to holders of the common stock other than the society.

Of course it will require capital to start the business properly, to insure its success and, if it cannot be obtained immediately upon the common stock, we would suggest that the more active members of the society subscribe to a sufficient amount at once to make up the $12,000, for which they shall have issued to them preferred stock drawing interest at the rate of six per cent per annum, cumulative, the common stock holders reserving the right to cancel the preferred stock at any time upon the payment of principal and interest. Thus the common stock holders will have not only the profit upon their stock, but also a profit upon their purchases, and at the same time enabling them to buy at a less rate than elsewhere on account of the large volume of business which would come to the department and from the great expense saved in obtaining business; the business to be carried on upon a cash basis, either by pre-payment of cash when sending the order, or by cash draft, with bill of lading attached, drawn upon the purchaser. This department to transact business not only with the members of the society, but with those who are not members. Only members of the society and the society itself holding common stock of the co-operative department of purchase shall participate in the profits of their purchases. An accounting of the business shall be made at the end of every six months and the profits then declared and paid.

We wish it understood that we have discovered no new law or principle and only wish to urge the society in carrying out what has already been attempted and found to be successful.

This department, when well established, would obtain articles for its members' consumption of the best and most durable kind. It would also be a bureau of information that would direct where to get the best and most improved materials, which, in nearly all cases, are the cheapest. From a money point of view, all these savings and benefits would be great, which are not easy to calculate, and which a separate individual could not obtain except through co-operation. The economies of co-operative purchase would be large and in these economies wealth is obtained. In furnishing 600 to 1000 individuals their supplies, seventy-five per cent at least of all the expense that is incurred by the merchant in obtaining business would here be saved. That of itself would amount to thousands of dollars, besides furnishing a basis to enlarge the scope and activities of the society.

We repeat what we said last year—that one must not be too much impressed with the theoretical advantages of co-operation and expect large results almost from the outset. Its greatest drawback, oftentimes, is the want of a co-operative sentiment. It is said a true co-operator has good sense, good temper and a good will; good sense to dispose him to make most of his means, good temper to enable him to associate with others and good will to incline him to serve them and be troubled to serve them, and go on serving them whether they are grateful or not in return, caring only that he does good, and finding it a sufficient reward to see that others are benefited through his unthanked exertions.

Florists' Hail Association.

The Florists' Hail Association met at 3 p. m. Tuesday, August 15. H. H. Ritter and Ernst Wienhoeber were elected to succeed themselves as directors. The increase of glass covered by insurance for the year past amounted to nearly one and one-half million feet and the permanent reserve fund showed an increased balance now amounting to about $6,600. Election of officers for the ensuing year resulted: J. C. Vaughan, president; E. G. Hill, vice-president; J. G. Esler, secretary; A. M. Herr, treasurer.

President's Reception.

Tuesday evening President Rudd held a reception in the convention hall under the auspices of the Detroit Florists' Club. The reception was attended in a body by those present at the convention and also by many prominent people of Detroit. Music and refreshments were provided.

Wednesday's Proceedings.

The convention was dilatory in assembling on Wednesday but disposed of its business with a rush. The state vice-presidents' reports were not read because



ROBERT KIFT.
Pres. National Florists' Bowling Association.

of lack of time for the purpose but were ordered to be published in the official record.

Officers for next year were then nominated and resulted in the selection of candidates as follows: President, E. M. Wood, Natick, Mass; vice-president, Patrick O'Mara, New York (10 votes), F. R. Pierson, Tarrytown-on-Hudson, N. Y., (119 votes), Mr. O'Mara only consenting to the use of his name in connection with the office because of the peculiar rules of the society; secretary, Wm. J. Stewart Boston, Mass.; treasurer, John G. Esler, Saddle River, N. J.; (77 votes), H. B. Beatty, Oil City, Pa., (36 votes.)

The nomination of next year's officers was followed by the selection of a place of meeting in 1900. After a cordial invitation from Patrick O'Mara, representing the New York Florists' Club, tendering the use of that city, invitations were read from Mayor Van Wyck and Governor Roosevelt. The latter wrote: "No state in the Union is more proud of the work done by her horticultural societies and by your association than is our state, and, should you conclude to accept our invitation, I can assure you of a hearty welcome." The selection of New York city was then made by a unanimous vote.

The convention next concurred in a request from the Pan-American Exposition, to be held at Buffalo in 1901, for the appointment of an advisory committee on horticultural matters, and directed that the committee should be of a national and representative character.

The report of the committee on co-operative purchase was taken up and a brief but animated discussion followed.

E. G. Hill said: If the S. A. F. wants to give this co-operative principle a practical trial I would suggest that we organize a stock company and that we buy a window glass plant. (Applause.) There are quite a number of co-operative concerns scattered through the country, in the glass belt and other sections, and if we could just hitch on to some of those workmen, give them forty-nine per cent and we take fifty-one per cent, we could get glass at a reasonable price. As a starter I would suggest that we turn over the matter of buying a glass plant to the co-operative committee of the society. We were simply held up and robbed this year by the American Window Glass Company; that is all there is about that. And while I have always voted in favor of the protective tariff, I would no longer vote for a 140 per cent tariff for the exclusive benefit of that concern.

J. D. Carmody, of Evansville, Ind., remarked with characteristic humor that he, for one, had not been approached by the committee to make a special price on boilers to the association, though he would gladly have made most bountiful concessions to his dear friends. He intimated that he thought the committee had been remiss in ignoring him.

J. L. Dillon, of Bloomsburg, Pa., expressed the opinion, based on what Mr. Hill had said, that that gentleman had been plucked by the potteries as well as the glass companies.

C. W. Ward suggested that it would be a good idea to get possession of one of the co-operative pipe factories and try to absorb the major share of the profits in the first instance.

Jno. N. May said that the trusts had been bleeding the florists pretty severely, and he thought it was about time for the latter to form a trust for self protection. If the trusts were putting up the prices two, three and four hundred per cent on the goods the florist wanted, why shouldn't the florists put up their prices to corresponding figures? All over the country to-day the trade is selling goods at practically no profit at all, and he thought there was no occasion for it. He believed that if they would all make up their minds to advance prices, the public would have to pay those prices. He did not see why they should sell goods at an unprofitable rate any more than other manufacturers do, because florists are manufacturers in the best sense of the word.

J. C. Vaughan expressed the opinion that if a general advance of prices had been made by the florists of the country hundreds of thousands of dollars could have been added to the receipts of the trade last spring, and at the same time all plants could have been sold. He suggested that a representative committee of the commercial florists of the country, or a committee of this society, could have issued a statement, about February 1, showing the general condition of the plant market and advising the retail plantsmen that, in the opinion of the

committee, a fifty per cent advance could be made on all plant prices for the spring trade. Then the growers could have acted on such advice. He believed that this was still possible of accomplishment. Bearing in mind that good quality must go with a fair price, florists who grow good plants, the coming year, might with safety add fifty per cent to former prices and dispose of their stock before June 15 next.

Robt. Craig said he liked Mr. Hill's idea because there was something definite about it. For florists to attempt to raise the prices of their plants all over the country was too big a job, but they could get control of a glass plant and get the glass at about cost for each and all of them. Then the S. A. F. would be doing something. He said he wanted to see that idea followed up. He hoped it would not be dropped, but that a committee would be appointed to push the matter. If nothing was done at this convention but just to get that glass plant a great work would be accomplished. (Applause.)

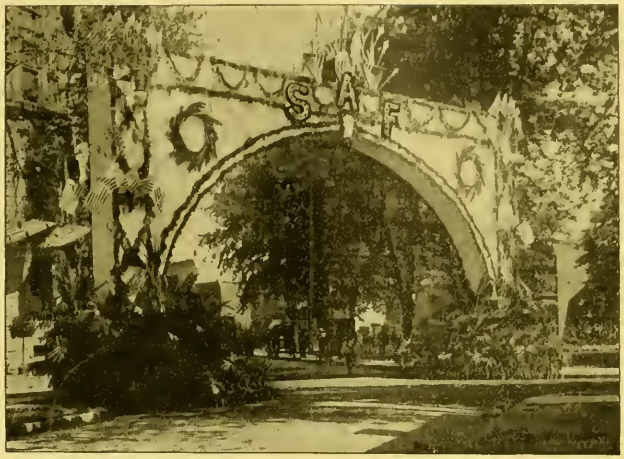
Wm. Scott said he agreed with Mr. May in wishing that prices could be raised, but in the trade in which he was largely engaged, that of bedding and ornamental plants, he did not think there had been any serious drop even during the hard times; fairly good prices had been maintained. He deprecated any attempt to raise prices by mutual agreement, and argued that competition is the life of trade. Ten men might agree, but if one of them lessened his price the rest would come down to it; but, in retailing, a man can not always gain trade by underselling. There are men who sell at half prices, but respectable people come to respectable florists.

Replying to a statement by one member that trusts are antagonistic to the law, Mr. Scott said he did not believe this. He could see nothing criminal in six men saying, "Let up pool our interests." He quoted the declaration attributed to Mr. Havemeyer in an allusion to the sugar trust, viz., that protection is the mother of trusts. He continued: Glass can be made and sold for $2.25 per box; that is, within a certain bracket, viz., 12x12, 14x14 or 16x16. It is now $4 50. Who gets this great profit? The manufacturer gets it, although he lived and did well at the low price. The laborer is not getting it, for the glass blower has been idle for some months. When the tariff is 140 per cent it is more than protection; it is prohibition. That precludes the possibility of sending to Belgium or England for glass. It is this which enables the trust to stop us poor, working florists from building greenhouses.

Mr. Scott went on to urge that the legislative committee be directed to appeal to congress to take off the tariff so that when the trust increased their prices to an enormous figure the florists could send to the old country for glass.

C. W. Turnley, of Haddonfield, N. J., argued that the price of a product was regulated by its quality. He could see no sufficient ground for a complaint of low prices.

E. A. Seidewitz, of Annapolis, Md., spoke of the successful operation of a co-operative glass factory in the town from which he came, the cost of which was between $10,000 and $12,000, although the output was small. He regarded the idea of establishing such a factory by the S. A. F. as a practical one. He thought it was the only way in which they could fight the trust, whose prices are entirely too high. In regard to a pipe factory, as suggested by Mr. Ward, he explained that this necessitated an enormous plant whereas a window glass plant required but a small capital to begin business with, viz., about $20,000 or $25,000.



THE TRIUMPHAL ARCH AT DETROIT.

E. M. Wood, chairman of the co-operative purchase committee, explained that his report proposed the formation of a corporation with a capital of not less than $12,000, which could buy glass, pipe or any other factories to carry on its business, the purpose being to create a co-operative department for the benefit of the trade.

Jos. Heacock said he had not much faith in an appeal to congress, as they would vote money into the pockets of the capitalists but none to the florists. He believed in individual action and that the place to fight these evils was at the polls, when congressmen are voted for.

E. G. Hill remarked that he believed the American people were a fair minded people and would not wink at or support iniquity in any body of men. If the S. A. F. would inaugurate a movement to besiege congress on this question, every member writing to his congressman and getting his friends to write to theirs, they would make the dry bones rattle and there would be a reduction of the tariff on glass. In this way a conclusion on the matter would be reached in less time than it would take to buy and start a glass factory. Concerted action would compel the reduction; and when the tariff came down the price of glass would fall. He suggested to the committee to formulate a letter and send it to all the florists of the country with this end in view.

The discussion here ended and, on motion of Mr. Wood, a committee of five was created to consider the matter and report to the present convention the best method of procedure.

Report of Committee on Claims.

Secretary Stewart presented the report of the committee on claims, received from H. A. Siebrecht, in which it was stated that several claims had been satisfactorily adjusted by the committee, that eight are still in the committee's hands in process of settlement and that thirty-seven have been placed in the hands of an attorney for collection on a contingent basis, without expense to the society or claimant. The committee stated that the members are convinced that the forwarding companies have used more care and diligence in the handling of florists' goods since the committee was appointed.

The American Rose Society.

President Wm. C. Barry, Rochester, presided at the meeting of this society and spoke eloquently of the development of the rose as the result of intelligent effort and long years of study, energy and enterprise. Everywhere growers are united in support of the new society. He predicted that its exhibitions would not be ordinary shows but such as would deserve to be compared with the finest art displays and that they would be liberally patronized.

Robert Craig spoke of the value of the carnation society in providing an official court to which a seedling could be taken to get the stamp of approval. In this way a seedling of merit soon becomes known to the public and carnation growing is stimulated. The American Rose Society proposes to be of like service to the rose. Its first exhibition, in New York, in March, 1900, will be a notable one. The premium list for that exhibition will be sent out about October 1 and growers will be stimulated to exhibit not only the tea roses but varieties of hybrid teas adapted for winter and spring forcing.

E. G. Hill repeated the statements of various large growers that, unless the proposed organization is maintained, the rose would have to take a place behind the carnation. He believes that every florist is indebted to the rose because Perle des Jardins, Bride and Bridesmaid had earned more shoes and calico, built more homes and carpeted more floors than any product in the floral kingdom. The florists have virtually lived and flourished on these three roses, and they could not now refuse support to the Rose Society. He urged that it be given financial backbone by 100 of the florists of the country subscribing $50 each for a life membership. He would lead the way as

one of the hundred. He wanted to know how many would join him.

Jno. N. May said he represented to-day, in his own person, what the rose could do for a man, for he would frankly admit that he owed to the queen of flowers the bread and butter for his family. He made an earnest appeal to florists in general to enroll their names upon the life membership list, which contained already seven names.

Immediate responses to these appeals were made by a number of gentlemen present and before adjournment the following had become enrolled as life members: Jos. Heacock, Wyncote, Pa.; Alex. Montgomery, of Natick, Mass.; E. Hippard, Youngstown, Ohio; Robt. F. Tesson, St. Louis; Frank R. Pierson, Tarrytown, N. Y.; Philip Breitmeyer, Detroit; Peter Reinberg, Chicago; Harry Dale, Brampton, Ont.; Fred. Mathison, Boston; J. M. Gasser, Cleveland; J. L. Dillon, Bloomsburg, Pa.; Emil Buettner and J. C. Vaughan, Chicago.

American Carnation Society.

The American Carnation Society met in Harmonie Hall, Detroit, at 9 a. m., August 16, with President Wm. P. Craig in the chair, facing a goodly proportion of the members.

The following were decided upon as features of the programme for the next annual meeting at Buffalo in February:

Hybridization of Carnations, by Peter Fisher, Ellis, Mass.

Sub-irrigation, discussion opened by C. W. Ward, Queens, N. Y.

Indoor Culture During Summer, discussion opened by James Hartshorne, Joliet, Ill.

Insect Pests of the Carnation, paper by Prof. F. A. Sirrine, of the Jamaica Experiment Station, Long Island, N. Y.

In the discussion on the premium list it was moved by W. N. Rudd that such a sum as may be necessary be set aside from the $500 donated by Thomas W. Lawson, of Boston, to procure a gold medal to be known as the Lawson Medal, the design of said medal to be approved by Mr. Lawson prior to its acceptance by the committee. The motion was carried and President Craig appointed Wm. Nicholson, Peter Fisher and M. A. Patten to execute the will of the society in the matter.

It was moved by Mr. Scott that a gold medal be awarded the best twenty-five blooms of an undisseminated seedling, also to the best 100 blooms of any variety. The motion prevailed.

On motion of E. G. Gillett with an amendment by Mr. Nicholson the balance of the premium list was left in the hands of the executive committee with the understanding that the awards be of increased value.

Edwin Lonsdale moved that special premiums be awarded exhibits other than carnations providing they be offered by individuals. This prevailed with the amendment by Mr. Ward that such awards be restricted to plants and flowers. The meeting adjourned with the motion by Mr. Rudd that the executive committee be empowered to so alter the premium list as it may see fit.

Chrysanthemum Society.

This organization held a meeting Thursday morning, W. N. Rudd presiding. The reading of the previous meeting's minutes was dispensed with and Treasurer May presented his report showing a balance on hand of $475.76. E. G. Hill was elected president and Edwin Lonsdale vice-president, Treasurer May and Secretary Smith being re-elected. The president was instructed to retire one member of each judging committee every year and to appoint a new man in his place. On the suggestion of S. J. Mitchell, of Houston, Texas, changes in the judging scale were adopted as follows:

Scale A.—Bush plants and standards, to apply to single specimens or any number of specimens up to six, provided same do not form the chief feature of the exhibition hall:

	Points.
Equality of size and form of plant	40
Excellence of bloom	35
Foliage	25
Total	100

Scale B.—Exhibit of more than six or for any number of specimen plants in an exhibition, where the class forms the chief feature of the exhibition hall:

	Points.
Excellence of bloom	40
Equality of size and form of plants	35
Foliage	25
Total	100



THE LATE WM. M'MILLAN. (SEE PAGE 98)

Scale C.—Points on plants grown to single stems and one bloom:

	Points.
Excellence of bloom	40
Compact and sturdy growth	35
Foliage	25
Total	100

Scale D.—Points on specimen blooms:

Color	25
Form	25
Fullness	15
Size	15
Stem and foliage	10
Substance	10
Total	100

Thursday's Proceedings.

The first business was the reading of the report of the exhibition judges, which was accepted and filed.

President Rudd announced the appointment of the following committees ordered by the convention:

Advisory Committee to the Pan-American Exposition, J. C. Vaughan, Patrick O'Mara, Robt. George.

On Co-operative Purchase, E. M. Wood, E. G. Hill, Robt. Craig, J. L. Dillon, J. M. Gasser.

The next business was the presentation of E. M. Wood's paper on "Rose pests and how to annihilate them," which was read by Mr. O'Mara and much applauded. A vote of thanks was tendered to its author.

ELECTION OF OFFICERS.

The election of officers for the ensuing year resulted in the unanimous choice of the following: President, Edmund M. Wood, Natick, Mass.; Vice-President, F. R. Pierson, Tarrytown, N. Y.; Secretary, Wm. J. Stewart, Boston. Treasurer, H. B. Beatty, Oil City, Pa., was re-elected after a contest in which he received 97 votes and John G. Esler received 64 votes.

The question box was opened with the following query: "Can roses be grafted on roots of Manetti with dormant wood as is done in apple grafting." E. G. Hill, of Richmond, Ind., and Robert George, of Painesville, Ohio, made brief responses.

The next business was the reading of a paper by C. W. Ward, on "Hybridization of carnations and introduction of new varieties."

Discussion of the paper was invited but the only response was made by Wm. Scott, who said he thought the paper left no room for discussion. The only suggestion he would add was this, that a variety should not be hastily discarded because it did not turn out well the first year. He instanced the variety Flora Hill, which was magnificently exhibited at Cincinnati. The first year it was widely disappointing; the second year it was moderately successful but it has that trait of hanging its head when the flower is fully expanded and has acquired the reputation of being weak stemmed. By proper selection it turned out, last year, as being nearly all we desire in a carnation. A vote of thanks was given Mr. Ward for his paper and the convention adjourned until evening.

At the evening session a telegram was read offering a window glass plant for sale which had evidently been sent in response to the Associated Press report announcing the appointment the day previous of a committee to report on the feasibility of organizing on a co-operative basis to protect florists from the rapacity of the glass and other trusts, now exacting enormous profits. This committee is composed of E. M. Wood, Robt. Craig, J. M. Gasser, E. G. Hill and J. L. Dillon, and is to be continued until the wishes of the society have been carried out in the matter. The committee recommended the organization of a corporation under some state law, with a capital of not less than $12,000, shares to be ten dollars each and no member to receive more than five shares. It was further recommended that the S. A. F. have control of fifty-one per cent of the stock, for which it is not to be required to pay anything, forty-nine per cent to be controlled by the individual members of the society, the idea being to insure the co-operation of the florists at large by the society's ability to make them economical prices and at the same time secure to the actual investors dividends in adequate recompense of the cash advanced. It was further suggested that in case the subscriptions for stock prove insufficient the corporation might sell bonds to make good the deficiency, said corporation to purchase or manufacture supplies as requirements demand.

There was considerable discussion as to the legal technicalities of the question, and a motion directing the committee to take

steps for the carrying out of its recommendations, without involving the society in any way, was adopted unanimously. It was also suggested that the standing committee on legislation organize their forces in opposition to the high tariff on many of the necessities of the florists, it being cited that glass was taxed 140 per cent. The discussion on this point brought out the fact that many who had previously been in favor of a protective tariff were now opposed to it.

The question box brought out some interesting information on various subjects, and the discussion on glazing, elicited through this medium, was rather exciting for a time. Wm. Scott defended butted quite vigorously and was supported to a limited extent by some others. The less demonstrative arguments of C. W. Ward and E. M. Wood, however, in favor of lapped glass left a great deal of doubt in the minds of a majority as to the superiority of butted glass. The remarks of Mr. Sanders at the conclusion of the debate appeared quite fitting when he said it was one of those cases in which "you pays your money and takes your choice."

Toward the close of the meeting Robt. Craig, on behalf of the society, and in his usual felicitous style, presented President Rudd with a beautiful diamond as a token of the members' appreciation of his earnest labors in their behalf. Mr. Rudd responded briefly and feelingly.

A resolution was adopted endorsing Wm. Scott as a candidate for the position of superintendent of horticulture at the Pan-American Exposition to be held in Buffalo, N. Y., in 1901.

The president appointed Alexander Wallace, G. L. Grant and Michael Barker a committee on final resolutions.

Legislative Committee's Report.

Patrick O'Mara, New York, chairman of the standing committee on legislation, stated the result of the committee's labors as follows:

Since our last convention the trouble arising through the importation of goods through the New York Custom House was the only matter referred to the committee. It was investigated at the time, and the committee made what it considered a full report through the columns of the trade press. As it is to be assumed that everyone vitally interested in the matter was made aware of the main facts of the case at that time, it would be a waste of time to go over the details now. A detailed statement will be incorporated in the report of the proceedings of this convention.

The committee proposed to the Appraiser at the port of New York that he should solicit from the trade, in advance, the purchase price as fixed by sellers and catalogue men, so that he could appraise the value and make that value known to the importer in sufficient time to permit a proper entry to be made and so do away with the cumbersome and very annoying method which had prevailed. The Appraiser coincided with the committee and, after some discussion, the view of the committee was adopted by him; but as a result, the Treasury Department appointed a commission of special agents to go to New York and investigate the conduct of affairs at the Appraiser's stores with special reference to importations of plants, bulbs, etc., and that commission nullified the action of the Appraiser, so that the fixing of values in advance by the Appraiser, to be given to the importer will not be allowed. However, I believe that as a result of that action, the Appraiser of the port will be at greater liberty to make valuations in accordance with published prices, and, as the commission of special agents condemned the practice of making an equalization of values, I believe he will have more lee-way in passing invoices where some buyers who buy in large quantities are able to get lower prices than somebody else.

One other matter to which I wish to refer is this: Your committee was early convinced that the officers entrusted with the collection of the revenues were equally anxious with them to expedite business wherever and whenever it could be done consistently with the proper discharge of their duties. While plants, bulbs and nursery stocks are on the list of dutiable merchandise there must always be more or less delay in appraising and passing them; at least they cannot be altogether avoided. These delays are more likely to occur at the port of New York, where seventy per cent of the entire import revenue of the United States is collected, than at minor ports of entry, and for obvious reasons. The appropriate remedy—in the opinion of your committee, the only unfailing remedy—for this condition lies in legislation. While the government might easily and willingly forego the comparatively paltry revenue derived from the duty now levied on plants and bulbs, yet it is doubtful if it would be expedient to ask that they be put upon the free list, even if they are to a great extent raw material to the trade at large. A line of specific duties would do away with the most, if not all, of the difficulties encountered under the present system of advalorum duties, and would be preferable for many reasons to which it is needless to refer here but which must suggest themselves to all who have been hampered by the present cumbersome system. We express the hope that, when the occasion arises to effect a change, a remedy will be sought and found in legislation and that combined and harmonious action will be taken by the florist and nursery trades.



DETROIT CITY HALL DURING CONVENTION WEEK.

The Trade Exhibit.

The trade display was quite large, the increase being notably in plants. It was such stock as should enter into the make-up of each establishment that caters to the public. The space taken by exhibitors was greater than anticipated and a trifle crowded, although the hall provided was not small. Had the artistic feature inaugurated at the Cleveland convention been retained it would have been the means of a more free exchange of ideas in relation to the use of the stock exhibited; the store keeper and his direct interests were not enough in evidence; the art of making proper use of flowers and plants, on which the advancement of the horticultural fraternity depends, should have been given greater attention.

CLASS A.

Henry A. Dreer Co., Philadelphia, displayed a large assortment of kentias from small to quite large, arecas, latanias, dracænas and small ferns.

Vaughan's Seed Store, Chicago, staged palms, Boston ferns, acalyphas, Adiantum Farleyense, fern balls and hibiscuses.

Peter Crowe, Utica, N. Y., showed a specimen adiantum three feet in diameter, apparently a very strong grower.

Robert Craig & Son, Philadelphia, exhibited palms, ferns, asparagus, pandanuses, dracænas, bougainvilleas, ficuses and a beautiful collection of crotons.

Geo. Wittbold, Chicago, had palms, ferns and Cycas revoluta.

Harry Papworth, New Orleans, made a beautiful display of palms of unusually large size.

S. Taplin, Detroit, gave a brilliant display of Vallota purpurea and Rochea falcata.

Chas. D. Ball, Holmsburg, Pa., had a large display of arecas, kentias, dracænas, pandanuses and Cycas revoluta.

Siebrecht & Son, New Rochelle, N. Y., exhibited a large collection of palms, particularly of small size, dracænas, pandanuses and ferns.

J. M. Gasser, Cleveland, Ohio, made a display of Carnation Merrimac, cut

blooms and potted plants; it is a seedling from McGowan and Scott.

Jackson & Perkins Co., Newark, N. Y., showed Japan cedars.

Ellis & Pollworth, Milwaukee, had palms, ferns and araucarias.

W. J. Hesser, Plattsmouth, Neb., exhibited a small collection of palms, fancy caladiums, selaginellas and geraniums.

Albert Fuchs, Chicago, staged arecas, kentias, pandanuses, latanias and other palms and ferns.

Lager & Hurrell, Summit, N. J., made a most beautiful display of cattleyas in bloom, are species attracting particular attention.

Geo. A. Rackham, Detroit, exhibited fine nephrolepis and very good cyclamen plants, also a rare specimen of Cattleya Hardyana grown by Henry C. Fruck.

J. A. Peterson, Cincinnati, O., had Adiantum Farleyense, pandanuses, cycas, arecas and latanias.

E. H. Michel, St. Louis, brought aspidistras, palms and ferns.

CLASS B.

Cushman Gladiolus Co, Euclid, O., had a large and beautiful display of gladioli arranged in jardinieres.

Henry A. Dreer showed a tank of aquatics, a good assortment of useful varieties, but a trifle damaged in transit.

L. B. Brague, Hinsdale, Mass., brought cut ferns, moss and lycopodium.

CLASS E.

Henry A. Dreer, Philadelphia, white cedar plant tubs and plant food.

P. H. Simeres, Detroit, plant tubs.

Union Manufacturing Co., Toledo, O., cypress plant tubs.

Vaughan's Seed Store, Chicago, adjustable plant stands.

John C. Meyer & Co., Boston, Mass., silkaline for training vines, also fancy colors for tying packages.

E. H. Hunt, Chicago, a large display of florists' ribbon and sheaves.

Dayton Paper Novelty Co., Dayton, O., large and varied assortment of folding paper boxes.

Edwards & Docker, Philadelphia, folding paper boxes.

Ellis & Pollworth, Milwaukee, folding paper boxes.

Henry F. Michell, Philadelphia, watering pots, sheaves and chenille.

A. Herrmann, New York, metal wreaths.

H. D. Rohrer, Lancaster, Pa., florists' shipping boxes.

Flower City Plant Food Co., Rochester, N. Y., Walker's Excelsior plant food.

White Enamel Refrigerator Co., St. Paul, a syphon refrigerator.

McCrays, Kendallville, Ind., refrigerator.

W. C. Krick, Brooklyn, immortelle letters, wire holders for standard pots and plant stands.

H. Bayersdorfer & Co., Philadelphia, a large and beautiful display of baskets, jardinieres, fern dishes, sheaves and foil.

Wm. Dilger, Detroit, a display of Sandusky rock formation.

J. W. Erringer, Chicago, wagon heater.

CLASS C.

Hitchings & Co., New York, improved sectional boiler.

S. Taplin, Detroit, clay and slack burning hot water boiler.

CLASS F.

Clucas & Boddington, New York, Dutch bulbs, lilies, oncidium, and kentia seed.

Vaughan's Seed Store, Dutch and other bulbs.

H. F. Michell, Philadelphia, assorted bulbs.

Bobbink & Atkins, Rutherford, N. J., bulbs, Dutch, French and Bermuda.

C. H. Joosten, New York, assorted bulbs.

CLASS D.

John C. Moninger Co., Chicago, greenhouse model and material.

Jennings Bros., Philadelphia, iron bench frame and greenhouse fittings.

Geo. M. Garland, Des Plaines, Ill., iron valley gutter and drip conductor.

Quaker City Machine Works, Richmond, Ind., ventilator.

I. N. Kramer & Son, Cedar Rapids, Ia., adjustable tubular greenhouse construction.

J. M. Gasser, Cleveland, O., zinc joints for glazing.

J. G. Esler, Saddle River, N. J., rubber hose.

Lockland Lumber Co., Lockland, O., samples of cypress.

Antone Hupprich, Detroit, flower pots.

Ionia Pottery Co, Ionia, Mich., pots, saucers, vases and hanging pots.

Detroit Flower Pot Manufactory, pots, fern pans and a pot for violets.

Florists' Supply Co., North Tonawanda, N. Y., soil crushing and pulverizing machine.

S. P. Conkling Co., Detroit, excellent display of valves, hose, tools, pipe covering and gauges.

J. D. Carmody, Evansville, Ind., hinges and improved ventilator apparatus.

CLASS G.

Daniel B. Long, Buffalo, a unique display of blotters and calendars, also pads for growers in keeping account of flowers cut, designs for catalogue covers, etc.

The Trip to Star Island.

The afternoon and evening of Wednesday were devoted to a most enjoyable steamer ride on Lake St. Clair, and a fish supper at the Star Island House, a courtesy extended by the Detroit Florists' Club.

Those Present.

The following are among those who attended the Detroit convention:

Pennsylvania: Wm. P. Craig, Robt. Kift, Geo. Anderson, Lemuel Ball, John Burton, A. B. Cartledge, Mr. and Mrs. John P. Habermehl, W. K. Harris, Flora Harris and Jas. Harris, Edwin Lonsdale, H. F. Michell, M. Rice, David Rust, Mr. and Mrs. John Walker, Felix Myers, Mr. and Mrs. C. D. Ball, Clara Y. Ball, and Chas. D. Ball, Jr., T. B. Meehan, B. B. Starkey, F. J. Michell, Jas. J. Gilbert, John Kuhn, Mr. and Mrs. Jno. Westcott, Mr. and Mrs. Wm. B. Westcott, Mr. and Mrs. Robt. Craig, Mrs. Culin, Mrs. Roberts, A. L. Brown, Geo. Moss, Rupert W. Keinle, Mr. and Mrs. W. J. Baker, H. T. Dumont, Philadelphia; J. W. Ludwig, Fred. Burki, Wm. Leow, Gustave Ludwig and E. C. Rieneman, Allegheny; P. S. Randolph, Pittsburg; H. L. Blind and Fred. Henkel, West View; Joseph Heacock and James Heacock, Wyncote, Albert M. Herr and H. D. Rohrer, Lancaster; Geo. E. Fancourt, Wilkesbarre, J. L. Dillon, Bloomsburg; Augustus Krueger, Meadville; M. I. O'Brien, Sharon; A. Wintzer, West Grove; W. H. Taplin, Holmesburg.

New York: P. O'Mara, C. B. Weathered, Wm. Plumb, A. S. Burns, Saml. Henshaw, A. T. Boddington, A. T. De La Mare, Cornelius S. Loder, Theo. Roehrs, J. Austin Shaw, Alex. Wallace, C. G. Weeber, J. W. Withers, C. F. Atkins, W. C. Mark, Jas. McHutchinson, Frank Traendly, O. Boehler, Jno. A. McArthur, Chas. E. Hanscom, H. M. Krause, Robt. Leach, Jas. Begbie, New York City; Wm. F. Kasting, Wm. Scott, D. B. Long and W. A. Adams, Buffalo; Henry Dailledouze, Paul Dailledouze, D. Y. Mellis, W. C. Krick, Alfred Zeller, L. Schmutz, Mr. and Mrs. A. H. Langjahr and A. Wolmer, Brooklyn; Benj. Hammond, Fishkill; John C. Hatcher, Amsterdam; Mr. and Mrs. H. G. Kretschmar and Julius F. Kretschmar, Nyack; F. R. Pierson, Tarrytown; Paul M. Pierson, Scarborough; Mr. and Mrs. Wm. H. Siebrecht, New Rochelle; C. W. Ward, Queens; Jas. Dean, Babylon.

Illinois: J. B. Deamud, Arnold Ringier, N. J. Rupp, Geo. Stollery, Fred. Stollery, John Degnan, C. L. Washburn, Mr. and Mrs. G. L. Grant, Mr. and Mrs. Walter Kreitling, E. Weinhoeber, E. Buettner, Edgar Sanders, Albert Fuchs, Peter Reinberg, J. C. Vaughan, E. C. Pruner, E. F. Winterson, J. S. Wilson, J. V. Merrion, W. N. Rudd, M. Barker, E. E. Pieser, C. M. Dickinson, P. J. Hauswirth, Chas. W. McKellar, J. W. Erringer, Chicago; Mr. and Mrs. Fred. J. King and daughter, Ottawa; P. Weiland and Miss Weiland, Evanston; Chas. Swigart, Niles Center; Jas. Hartshorne, Joliet; H. L. Phelps, Springfield; J. E. Yeats, Champaign.

Ohio: Robt. George, Painesville; E. H. Cushman, Euclid; Asher M. Coe, Coe Ridge; E. H. Giesy, Lockland; E. G. Gillett, Cincinnati; Carl Hagenburger, Mentor; E. Hippard, Youngstown; John D. Imlay, Zanesville; H. J. Krueger, Conneaut; Herman H. Ritter, Dayton; A. Schmitt, Glenville; B. Underwood, Columbus; Wm. Brinker, Henry Meermans, A. H. Graham, H. A. Hart, S. N. Pentecost, Cleveland.

Massachusetts: Mr. and Mrs. W. W. Edgar, Waverly; Mr. and Mrs. Wm. Miller and the Misses Miller and Jas. L. Miller, Lynn; Mr. and Mrs. W. A. Bock, North Cambridge; Mr. and Mrs. Alex. Montgomery and E. M. Wood, Natick; Wm. Nicholson, Framingham; Fred. R. Mathison, Waltham; H. F. A. Lange, Worcester; Mr. and Mrs. L. B. Brague, Hinsdale; Mr. and Mrs. Thos. A. Cox, Geo. A. Sutherland, Warren Ewell, Wm. J. Stewart, Boston.

New Jersey: W. A. Manda and D. Macrorie, South Orange; Jno. N. May and Jno. E. Lager, Summit; Walter Mott and T. Cairns, Riverton; Mr. and Mrs. J. F. Turnley and C. Wm. Turnley, Haddonfield; F. L. Atkins, Rutherford; Theo. E. Edwards, Bridgeton; Jno. G. Esler, Saddle River; E. Leuly, West Hoboken; Richard Lynex, Atlantic City.

Iowa: Judson A. Kramer, Cedar Rapids; J. C. Rennison, Sioux City; Mr. and Mrs. J. F. Wilcox, Council Bluffs; J. F. D. Fulmer and daughter and J. F. Marshall, DesMoines; J. T. Temple, Davenport; W. B. Perry, Cresco; Geo. Kranz, Muscatine.

Indiana: John Bertermann and A. Wiegand, Indianapolis; E. G. Hill and J. A. Evans, Richmond; Frank J. Knecht, Fort Wayne; J. D. Carmody, Evansville; W. W. Coles, Kokomo; Fred. Dorner, Lafayette; L. Heinl, Terre Haute.

Wisconsin: Otto Sylvester, Oconomowoc; E. Haentze, Fond du Lac; J. Matthewson, Sheboygan; W. A. Kennedy, N. Zweifel, A. Klokner, H. V. Hunkel, C. C. Pollworth, C. B. Whitnall, Milwaukee.

Missouri: Mr. and Mrs. Geo. M. Kellogg, Pleasant Hill; Mr. and Mrs. A. Newell, Kansas City; Chas. Connon, C. A. Kuehn, E. H. Michel, C. C. Sanders, Emil Schray, R. F. Tesson, F. C. Weber, St. Louis.

Nebraska: Mr. and Mrs. Geo. Swoboda, J. J. Hess, P. B. Floth, J. H. Hadkinson,

L. Henderson, Omaha; L. C. Chapin, Lincoln.

Rhode Island: S. J. Reuter and son, Westerly; R. W. Greene, Warwick; A. Millar, Pawtucket; Farquhar Macrae, M. Sweeney, Providence.

Michigan: Elmer D. Smith, Adrian; L. C. Lincoln, Greenville; L. R. Taft, Agricultural College; Henry Smith, Grand Rapids.

Minnesota: Jno. Wunder, Winona; Frank Berry, Stillwater; E. Nagel, Fred. Busch, Minneapolis; Mr. and Mrs. Aug. Swanson, Mr. and Mrs. E. F. Lemke, St. Paul.

Colorado: Wm. Clark, Colorado Springs; J. A. Valentine, Denver.

Maryland: Mr. and Mrs. R. Vincent, Jr., White Marsh; E. A. Seidewitz, Annapolis.

North Carolina: J. W. C. Deake and Mrs. J. B. Deake, Asheville.

Kentucky: Aug. R. Baumer, Jacob Schultz, Louisville.

Tennessee: C. H. Hune, Memphis.

Canada: W. Gammage, London, Ont.; J. E. Killen, Windsor, Ont.

The Leaders of Horticulture.

The men who stand at the head of affairs in the Society of American Florists, the officers and the members of the executive committee, are selected for the various positions because of their steadfastness in promoting the best interests of horticulture and floriculture. A mere glance at the long list of men who have served the society will at once confirm this assertion, and it is largely due to their active and practical interest that the society is to-day an almost indispensable institution. The superstitious may find the number usually in office—thirteen—an excuse for the unjustifiable and malicious attacks to which they are subjected, but we feel certain it is simply another case of the shining light a mark for the bad, mischievious boy whose early instructors neglected to teach him better. The officers and committeemen of the Society of American Florists need no defense; their work stands out in bold relief as their own best eulogy. We are pleased, however, on this occasion to be able to give the readers of this issue portraits of the present incumbents, with brief biographical notices as follows:

PRESIDENT RUDD.

Willis N. Rudd is one of the youngest men who ever served as president of the society. He was born near Chicago thirty-eight years ago and acquired his education in the schools of his vicinity and at Cornell University. In 1886 he became superintendent of the Mt. Greenwood Cemetery and secretary of the corporation which controls it. A range of commercial glass was soon erected in which he has always taken great interest and which has become renowned for its carnations and chrysanthemums. Mr. Rudd has for several years been superintendent of the annual exhibition of the Horticultural Society of Chicago and was, two years ago, president of the American Carnation Society. In addition he was for some time a member of the S. A. F. executive committee and chairman of the Chicago committee of the C. S. A. He is an indefatigable worker for the welfare of the trade.

VICE-PRESIDENT BREITMEYER.

Philip Breitmeyer is one of the most popular young men in the trade. He was born in 1864 and his school days ended with his twelfth year, when his father opened a retail store in Detroit. Phil. was the delivery boy. In 1874 he served a term with Pennock Bros., Philadelphia, returning to his father's business with renewed ambition to make it what it is to-day, one of the best. Mr. Breitmeyer is the president and moving spirit of the Detroit Florists' Club and it is largely to his efforts that the success of the convention has been due.

SECRETARY STEWART.

William J. Stewart has been identified with the S. A. F. since its organization, as he was a member of the original executive committee and succeeded Edwin Lonsdale as secretary in 1887, being honored by re-election annually ever since. Mr. Stewart was born at Cambridge, Mass., fifty years ago. As a young man he was in the Harvard Botanic Gardens. His first connection with the trade was in a retail store in Boston but he soon became manager for E. M. Wood in the commission end and later carried on a successful business of his own, retiring to devote his energies to his duties as secretary of the S. A. F. and eastern representative of the AMERICAN FLORIST. Mr. Stewart has long been a worker in the Massachusetts Horticultural Society and is at present chairman of its committee on prizes and a member of the building committee. He was the first president of the Gardeners' and Florists' Club of Boston and was re-elected to that office in 1895. Of recent years he has also been an active worker in the New York Florists' Club.

TREASURER BEATTY.

H. B. Beatty, who, since the Atlantic City meeting in 1892, has cared for the financial interests of the S. A. F., is a Pennsylvanian, usually at home at Oil City, where in years past he carried the active management of the Oakwood Rose Gardens; but for the last six years he has been most actively engaged in the natural gas business. Mr. Beatty is now the head of the Manufacturers Natural Gas Co., of Pittsburg, a corporation with an investment of a million and a half of dollars. He has given unselfishly of his valuable time to the society, not only in his official work but on other lines as well and for such is entitled to the gratitude of its members.

ELMER D. SMITH.

The junior member of the firm of Nathan Smith & Son, Adrian, Mich., was born at Detroit, November 30, 1854. His parents removed to Adrian in 1857, where the family has since resided. It was in June, 1876, that the Smiths built their first greenhouse, 10x50 feet, but the establishment had grown materially before 1883 when the subject of this sketch withdrew to devote two years to banking and other clerical work. In 1885 he returned to the florist business with renewed enthusiasm and made further large additions to the plant. In recent years Mr. Smith's name has been linked with the development of the chrysanthemum, he having served long and faithfully as secretary of the Chrysanthemum Society of America. His first interest in the flower was aroused by John Thorpe, whose paper on the subject was a feature of the S. A. F. meeting in Chicago in 1887. Since then his experiments at hybridization and cross fertilization have given us some of the best of recent introductions.

GEORGE M. KELLOGG.

George M. Kellogg was born April 16, 1838, at Southwick, Mass., and lived on a farm until his eighteenth year, when he removed to Chicago, going thence to Kansas in 1857. For ten years he labored to make that bleeding land what it is to-day, as he says, "the liveliest state in the union." In 1867 he located at Pleasant Hill, Mo., and engaged in market gardening. In 1888 he built his first greenhouses, two small structures, the embryo from which has sprung his present range of 124,000 feet of glass. A year ago he established a wholesale store at Kansas City, where he is doing a large and profitable business.

EDMUND M. WOOD.

E. M. Wood was born at Brookline, Mass., "the heart of New England floriculture," June 18, 1837, the year in which his father established the large business of color manufacturing which Mr. Wood now conducts as Henry Wood's Son & Co. Mr. Wood saw remuneration in commercial floriculture and ventured in. Two houses built in 1869 were the beginning and stand to-day, the nucleus of the big range of thirty-four conservatories at Natick and a monument to the mechanical abilities and judgement of Mr. Wood, for, with the single exception of height, eighteen feet, they embrace about all the best features of the houses built to-day. These houses were Mr. Wood's own design and furnish probably the first instance of the use of large glass in greenhouse construction, the size used being 18x20. At first a variety of stock was grown and it took some years and the investment of much money before the winning pace was struck, with Alex. Montgomery at the helm. Although burdened with an infinity of business cares Mr. Wood is a willing participant in all the social and fraternal affairs of the craft in Boston and his annual invitation to view his chrysanthemum houses is the event of the year. He is a member of the Massachusetts Horticultural Society and of the Horticultural Club of Boston. For nine years he has been a willing worker for the S. A. F., having given much thought to the Department of Co-operation Purchase, of which he is chairman, and the society has made no mistake in bestowing upon him its highest honor.

E. H. CUSHMAN.

It is upon the farm at Euclid, O., which his grandfather purchased in the early days of the century, that E. H. Cushman has brought the gladiolus to such perfection that this flower is instinctively coupled with his name. Mr. Cushman has resided upon this farm since his birth, in 1859, and for years devoted his energies to small fruits; it was in 1891 that he turned his attention to the gladiolus. He is growing over 1,000,000 bulbs this year. For six years he has been an exhibitor at the S. A. F. conventions and he attributes much of his success to his presence at these meetings. Mr. Cushman is a member of the Cleveland Florists' Club and of a number of organizations of horticulturists, including the Ohio State Horticultural Society, of which he was elected president in 1895.

JOHN H. TAYLOR.

John H. Taylor was born in New York City in 1857 and from 1867 to 1877 was in Europe acquiring an education. On his return home he attended the Bussey Institution, Boston, graduating in 1881 with the degree of Bachelor of Agricultural Science, his being the first degree ever conferred there. In 1863 Mr. Taylor's father and the late John Henderson went into partnership in flower and fruit growing, Mr. Henderson subsequently retiring with $10,000 as his share. On emerging from college Mr. Taylor became

the manager of his father's place and eventually its owner. A diverse stock was at first grown but was gradually narrowed to roses and chrysanthemums, the latter serving as an alternate crop with forced hybrid roses. Mr. Taylor was the first in the New York market to disbud chrysanthemums, getting phenomenal prices for the single blooms the very first season. In 1889 he had 116 varieties under cultivation. Another specialty which Mr. Taylor turned to good account was the old Hinsdale carnation. Some fifteen years ago he had a sash lean-to 10x250 with 8x10 glass and solid beds from which in June he cut 75,000 blooms, which averaged $1.50 per hundred. The establishment now consists of 75,000 feet of glass under which are cut some of the finest roses which reach the New York market. Here originated the Admiral Dewey rose introduced this year.

WALTER W. COLES.

In common with many of our best growers, W. W. Coles is a native of "Old England" and looks back upon a long training in the many strong establishments in the "tight little isle." He is forty-two years of age and from his sixteenth year until 1880 he served upon such excellent estates as that at Elvaston Castle, under J. H. Goodacre, and in such great houses as that of Veitch. Coming to America he found his first friend in Wm. Bennett, of Flatbush, and his first occupation upon the grounds of Mrs. Morgan. In 1882 he rented a few houses at Claymont, Del., quickly making his mark with chrysanthemums. In 1885 Mr. Coles bought land at Lansdowne, Pa., and for five years grew roses for the Philadelphia market. Since locating at Kokomo, Ind., in 1891, he has achieved a reputation for his Kaiserins, which he annually exhibits at the fall shows. He was a charter member of the S. A. F. and is a member of the Florists' Club of Philadelphia, of the American Carnation Society and of the Society of Indiana Florists, of which he was twice elected president.

C. W. WARD.

In the brief period of nine years since he embarked in floriculture C. W. Ward has achieved a distinction which it takes most men a life-time to attain. Mr. Ward was born in a Michigan lumber camp in 1857. Broken health and the necessity for an open air pursuit caused him to go into commercial floriculture at East Moriches, N. Y., in 1890, subsequently removing to Queens, where he has a model range of 25,000 feet of glass. Mr. Ward was one of the first to practice the now common methods of bringing carnation blooms to their highest development and some of his seedlings are among the number best known. His first was a white one named Ethel, a cross between Lamborn and Portia, which proved to be an excellent summer bloomer. Later introductions which have taken high honors wherever shown are Mrs. James Dean, New York, John Young, Gen Maceo, Gen. Gomez and Glacier. Mr. Ward is one of the active members of the American Carnation Society and seed pods innumerable indicate that persistent and painstaking work is constantly going on at the Queens establishment, and no donbt the future will disclose many gems therein.

LAWRENCE COTTER.

At the age of twenty-six Lawence Cotter, who was born on the Smith-Barry estate, Cork, Ireland, in 1854, came to New York with a horticultural training gained in some of the best known establishments in the British Isles and located as foreman in the greenhouse department of S. R. Van Duzer, afterward taking a similar place at W. K. Vanderbilt's and, after brief terms at other places, settled down as manager of the estate and greenhouses of the late C. V. Whitten at Dorchester, Mass., a position he has now held for ten years. Roses have always been the principal crop at the Whitten establishment and the flowers grown there have gained a high reputation in the Boston market, but Mr. Cotter has also won honors with chrysanthemums and, in fact, with whatever else he has undertaken. He was the first to grow the Crimson Rambler for the Easter trade in Boston Mr. Cotter is one of the famed "Old Guard" of Boston horticulturists, among whom one of his staunchest admirers is his old-time employer, Judge Hoitt. Mr. Cotter was president of the Gardeners' and Florists' Club of Boston in 1896 and is one of President Rudd's appointees on the executive committee.

JOHN F. COWELL.

Prof. Cowell was born near Boston and early in life engaged in the work of construction gardening, his first important task, the rehabilitation of an estate of seventy acres, being undertaken when he was but eighteen. In the late seventies he located at Buffalo and in 1884 accepted a position in the department of education as a teacher of botany where he remained until he resigned in 1894 to enter the employ of the park department. Prof. Cowell, besides being a member of the S. A. F., is a member of the American Society for the Advancement of Science, the Microscopical Club, Society of Natural Science, the Field Club, the Foresters' Association of America and the Buffalo Florists' Club. From a barren tract of land in South Park which in 1894 he undertook to change, it seems wonderful what has been accomplished in the way of roads and flower beds. At the present time his limited amount of glass is filled with all that is rare and of interest to the advanced scholar or student.

Hybridizing and the Introduction of New Carnations.

BY C. W. WARD, QUEENS, N. Y.

[Read before the Detroit Convention of the Society of American Florists.]

The improvement in the carnation which has taken place during the past six years has brought it so prominently before the general public and has increased its use to such an extent that probably no flower occupies a more prominent position among florists' flowers than does the carnation to-day. This increasing interest in the divine flower naturally attracts the efforts of many florists towards its improvement.

There exist two leading elements that bid fair to encourage florists to continue their efforts for the improvement of the carnation for many years to come. Lovers as well as users of flowers are constantly seeking that which is novel and rare. The progressive florist is ever on the alert to gratify such desires on the part of the flower-loving public; consequently the call for new and improved carnations will be to some extent perpetuated by these conditions and it may be well said that no florist who hopes to keep abreast of the times can afford to ignore this improvement in the carnation and must of necessity keep in close touch with the newer varieties as they are introduced and keep his stock fully up to date by the purchase of those better sorts which bid fair promise to succeed under the conditions which he grows carnations.

Again, say what we may, it is a well known fact that the average variety of carnation remains in profitable cultivation but a few years and must be constantly replaced by the newer and improved and more vigorous varieties grown from seed. In other words, carnations are continually running out. Therefore the market for new and improved varieties would seem to be a permanent one; consequently these elements will tend to keep a broad field open to the hybridizer, who may rest assured that if he produces a really improved carnation he will find a profitable sale for his production.

The operation of hybridization has been so frequently and so fully described by various writers that there is little need of repeating it in this paper and perhaps more good may be accomplished by devoting our time to discussing selection of parents, pedigree, keeping of records, selection of propagating wood and various other minutia upon which the production of a meritorious seedling carnation depends.

The foundation of successful hybridizing rests upon the selection of parents in the first instance and gradually builds up with and in proportion to the care exercised by the hybridizer in keeping proper watch upon the pedigrees of the various strains he is seeking to improve.

This can best be accomplished by means of accurate records of the work done, as well as notes upon the results obtained, which notes must necessarily extend through the life history of the plant and be fully brought down to date and properly compiled so as to be accessible to the mind of the hybridizer with the least mental effort to himself. This, of course, means application and labor to such an extent that perhaps comparatively few of those who engage in raising new carnations will carry out the necessary details a sufficient length of time to accomplish material results.

The bare raising and selling a double seedling carnation, even though netting some profit to its grower, cannot be considered as successful improvement of the carnation. An accidental variety of merit may now and then come to the grower who miscellaneously mixes the pollen of different flowers and plants the seed resulting therefrom, but the continued production of the best of the improved varieties will scarcely result from such work.

If the reader of this paper expects that hard and fast rules for producing an army of new seedlings to perplex the whilom seeker of that which is best and most profitable to grow will be herein laid down, he is laboring under a mistaken idea.

The ground over which a hybridizer is working becomes peculiarly his own territory, practically an unknown region which he alone is exploring and he must not only get his knowledge as he works over his field, but he must also have the wit to take advantage of and use what knowledge it may be his fortune to garner; consequently he cannot make rules, even for his own guidance, much less for the guidance of others laboring in entirely different, though analagous fields.

In the selection of parents choose the best you have at hand. You will not find all the desirable attributes in any one plant nor in any six plants; possibly not in any 100 plants, and after producing several thousand seedling plants,

and finally reducing them by the process of selection to a half dozen worthy of a third year's trial, the hybridizer will wonder and be discouraged by the amount of dross he has to handle in order to get a little gold.

In the selection of seedlings, color stands preeminently above all other considerations; size, form, fragrance, substance and strength of stem stand on a fairly even basis of value. When these have been secured get as much freedom and continuity of bloom as is possible and maintain your cardinal features. Don't overlook fragrance. Its place is so close to color and size (the changes in the American Carnation Society's scale of points to the contrary, notwithstanding) that it was the cardinal virtue that won the divine flower into favor long before she had much of either color or size to boast of.

Having suited your own taste in selecting your seedling you must investigate its selling qualities. Florists should appreciate that the discriminating buyer usually decides what he or she wishes to buy. The retail florist being in close touch with the consuming purchaser quickly discerns what is most pleasing to the greatest number. Therefore it follows that the producer of new carnations should keep in touch with the retailer and should avail himself of the retailer's knowledge whenever possible. Choose pure tones of color, those possessing the greatest element of fixedness. Avoid dull, fading or washy colors, and, above all, those peculiar combinations of discordant tints that shock the optic nerve.

Every flower coming with long stiff stems, large double flowers, good form and calyx and free bloomer will not prove commercially valuable, but a combination of size, pure tone of color, good stem, form, fragrance and calyx with freedom of bloom, and above all not forgetting selling qualities, is what constitutes a first-class commercial carnation and the hybridizer who produces such a one deserves the plaudits of his fellow growers.

Having determined the candidate for introduction the method of bringing it before the trade will next interest the originator. There are two methods now in use, differing to such an extent as to deserve separate descriptions. The first and possibly most frequently employed is what we may term the "boom method," and in order to be successfully carried out needs the co-operation of several different elements and the accumulation of a large number of stock plants.

Briefly stated the "boom method" consists of praising and pushing the merits of the candidate for introduction in all possible ways and advertising all its virtues, real and imaginary, constantly through all available mediums. Certificates of merit, special cups and prizes offered to be won by the candidate, as well as frequent exhibitions at flower shows supplemented by well written press notices, form the usual plan and when cleverly carried out result in large sales and considerable profit to the introducer during the year of introduction.

The second and perhaps the most desirable method might be termed the "business method" and, while not producing such large sales the first year, eventually accomplishes more for the general benefit of the fraternity than the method just previously described and may be safely ventured with a stock of 1500 to 2000 plants to propagate from. The varieties selected for introduction may be brought to the attention of the trade by placing the flowers in the hands of leading retailers as well as by judicious advertising and staging them at the annual exhibitions.

The descriptions given should be correct; avoid producing impressions or arousing expectations that cannot be fulfilled. Be satisfied with selling a fair quantity at a good price the first season and endeavor to be in a position to satisfy the second season's demand, which will be large if your selections possess merit.

Propagate your stock carefully, selecting your propagating wood with judgment, keeping your stock in good health and sending out the young plants in a condition that will insure good growth and a successful crop of flowers in the hands of the average florist.

I do not mean to carry the impression that the introducer is limited to the two methods above described. Each introducer may adopt any honorable, legitimate means whereby he brings his productions to popular notice and secures a profitable sale thereof.

If the carnation specialist can get under the wing of a "copper king" and deftly twist a $30,000 nugget from the plethoric purse of the monarch of metals, he may well congratulate himself, and no doubt many of the fraternity will also congratulate him; but it may be well to remember that there are as yet few Lawsons, even fewer Fishers, perhaps, while the combination of Lawson, Fisher & Galvin is the rarest bird of all.

It may, however, be well to comprehend that a reputation for reliable and honorable dealing may be established by the introducer of new plants as well as by any other business man, and such a reputation will become a source of much profit to the possessor and a surer aid in marketing his productions than could all the prizes and certificates that he might be able to win. It therefore behooves the intending introducer of new carnations, to not only be cautious and circumspect in the selection and judging of his own seedlings, but to guard his statements well and to let no shadow of misrepresentation linger about the descriptions with which he brings his favorites to his patrons' notice.

Remember that ten satisfied customers are far more valuable than a thousand dissatisfied ones; and the way to create satisfied customers is to introduce only varieties which your experience teaches you have a probable chance of succeeding, and to deliver the stock in such a condition that the purchaser will not be handicapped in his efforts to successfully test your introductions.

CARNATIONS.

CULTURAL NOTES.

August 19.—Having prepared our soil for the benches it is well to consider what that soil will need in the way of water. Water plays an important part in the growth of our plants and is second only to the fertilization of the soil as an element of success. When we consider that not only is a different quantity needed for different soils, but for the different varieties of carnations as well, it becomes a matter requiring serious thought.

We have, thanks to the experiment stations, two methods of applying moisture, surface watering and subwatering. The methods of applying moisture from the bottom and the benefits derived from it have been discussed so fully that it is not necessary to touch upon them here. There is no question but that this sub-watering well done has many advantages over surface watering for carnation culture; but to do it well requires a greater outlay in money than many of us can afford. We must, therefore, study surface watering and get the best possible results out of it.

We all know that poorly drained soil will absorb less water than soil that is porous. Well drained soil offers a means of escape for the air which is displaced by the application of water, so that if our beds or benches are provided with good drainage we can in a large measure get the benefit of aeration of the soil, which is one of the main benefits claimed for sub-watering.

A compact soil loses more water by evaporation than a loose one, because the air spaces are small and more easily conduct the water to the surface by capillary attraction. On this account the surface of a compact soil remains moist much longer than the surface of a loose one. With such a soil on our benches it will be easy to commit the error of considering that because the surface is moist the bench needs no water, while the bottom may be so dry as to stop the action in the lower roots.

The greater proportion of a carnation plant is water, and the proper way for it to get that water is through the roots, as it has been proven that carnations are partial to a dry atmosphere. This dry atmosphere increases the radiation of moisture from the foliage and adds to the necessity of an abundant supply at the roots, or rather, what is better yet, an abundance of roots to supply the moisture needed by the plant.

Watering is perhaps never nearer an art than when the plants are first housed. The object at that stage is to have them take hold as quickly as possible, and they will not do this until a new lot of working roots have been formed to take the place of those left in the field at lifting. The remaining roots will have an abnormal power of absorption for the time being, and if the proper supply of water is at hand they will keep the top from wilting.

The plants should be taken up as carefully as possible, to preserve the roots, and if they are to remain in the boxes for any length time before planting they should be well sprinkled; then as they are planted the roots of each plant should be dipped in a bucket of water. The soil in which they are set should be moist to the bottom of the bench, the planting carefully done, and as soon as a section of the bed or bench is finished it should be given a soaking, heavy in proportion to the excellence of the drainage.

Where partial shade can be given the plants for a few days after planting it will help considerably, but a direct current of air should not be allowed to blow over them for at least a week after planting, as it increases the radiation from the leaves to an abnormal extent, and just at this stage might not only prove detrimental to the plants but in many cases would kill them. Overhead syringing will not hurt the plants for a week or ten days after being planted and will aid the roots in their endeavor to supply the top with moisture.

Prof. Britton made an apt comparison when he said "carnations are like some human beings, who, if they are supplied with sufficient nourishment, will not trouble themselves to work for it." In order to give the best results a carnation plant should be supplied with an abundance of roots. Over-fertilization and

over-watering have the same retarding effect on root development.

According to the condition of your soil, the first watering will last the plants for a week or longer and the second and subsequent waterings should be given only as the soil and the plants may require, keeping in view the fact that a perfect equilibrium must be maintained between the root and the top of the plant to obtain the best results.

ALBERT M. HERR.

WATERING FIELD CARNATIONS.

ED. AM. FLORIST:—In a recent issue of your journal, Vol. XIV., page 1288, Mr. Herr mentions having watered his carnation field with the hose. He does not give the size of the field. In any event I should consider that an expensive method if it had to be done very often, counting the cost of labor and water. Could not such plantations be irrigated more economically? READER.

As to whether it would be less expensive to irrigate carnations in the field, and by irrigate I take it that "Reader" means surface irrigation, than to water them with the hose, would depend to a great extent upon the lay of the land. If the site available for the field culture of carnations should have an irregular surface, watering by any other method than that of the hose would be impracticable. Given suitable land, however, that is, land having a fairly uniform slope, and unquestionably surface irrigation by means of open furrows or ditches would be vastly more economical of time. Not only would it save time, but if the open furrows be filled with dry surface soil after the water has soaked away, the soil will retain the moisture thus applied much longer than when an equal amount is applied over the whole surface of the ground as with the hose.

The benefits, therefore, of irrigating by means of open furrows or ditches, aside from saving time, are as follows: First, the plant derives more benefit from the moisture applied. Second, the surface soil is not compacted. Third, the bloom of the plant is not removed by the application of water, and the plant is thus better able to resist the attack of fungus disease.

Hints on watering: A furrow may be made by drawing a hoe cornerways between each row of plants. As soon as the water has been absorbed the furrow should be filled with dry soil to prevent evaporation; a garden rake is a convenient tool for this purpose. The amount of water and frequency of application is determined by the character of the soil and the conditions of the weather.

WM. STUART.

The size of the field in question is two acres and the job an apparently endless one, but if properly handled it is not such a great undertaking. We put the water to the plants with a flat topped rose and give the row a thorough soaking, following it up with a hoe and loosening the soil so as to act as a mulch. If well done it will not be required more than from one to three times in a season; usually but once, as our droughts are not often of great duration. Last season I was $1500 out of pocket, at a low estimate, by not watering my patch, thinking, like Mr. "Reader," that the job would be too expensive to be profitable. This season I have had to water but once but would do it again if necessary in preference to irrigation, no matter how well adapted the field might be for the latter, as irrigation uses up a great quantity of water and by experiment I know that it does not give as good results as the straight watering with hose and rose. With water at 25 cents per 1000 gallons, a full 1000 gallons used to a row by irrigation and some 500 rows to water, the expense would, indeed, be an item. With water free of cost the matter might be reversed but even then the results would be in favor of the hose, at least in my soil.

ALBERT M. HERR.

WITH THE GROWERS.

BREITMEYER & SONS, MT. CLEMENS, MICH.

The Breitmeyer range of glass, which is known through the length and breadth of the floricultural world, stands upon an east side hill and presents an inspiring picture to those of the craft who approach from the car lines, which, however, drop one some distance from this splendid establishment where roses are grown by wholesale to be sold at retail through the firms' Detroit store, managed by Phil. Breitmeyer.

There are thirty-two houses in the group, a round 100,000 feet of glass, and they are nearly all devoted to roses, it being the experience that they can better afford to buy carnations than roses for use in the store. The carnations which are grown, two houses the past season, are nearly all their own seedlings including Pingree and Cerise Queen. They have several new ones of merit, particularly a red, but it is not at present their intention to put them on the market. They have about 16,500 carnation plants in the field, nearly twice what they expect to bench.

The Breitmeyer boys grow roses from year to year, prizing the plants more highly the second or third year than they do the first. In all their big establishment they have but one house of roses which was new stock this year. The Brides, Bridesmaids and Meteors are given very little rest. They are dried off slightly at about this time, pruned a little, the soil is scraped off the beds for an inch or two, a top dressing of soil and manure is applied and they are sent along again. Will Breitmeyer says they get more flowers, better flowers and earlier flowers from old plants than they do from new stock. Kaiserin is grown for summer bloom and is just now showing what it is worth in that line.

Beauties are grown here in what the Breitmeyers call "pits." They are a range of low and narrow houses in which the beds and walks are on the same level. There are several of these houses in which the plants are four years old and they will not be thrown out. The plants are coaxed to bloom until October, when they are cut down, dried off and permitted to rest until February when they are started up again. One large house is grown particularly to supply holiday bloom.

The Breitmeyers have always figured in the fall shows and they will doubtless live up to their record next autumn. They have benched the usual assortment and quantity of chrysanthemums and, if all goes well, they will have some specimen blooms with which to visit the big cities in November. Just now they have two or three houses of asters. The seed was bought as Queen of the Market but was not true to name, there being every possible color in the lot and very few which are of the type. They find early asters very valuable for retailing, realizing 75 cents a dozen for good blooms without difficulty.

Violets are grown here in considerable quantities in sub-irrigated beds but for the past year or two have not done as well as they had previously, and for some unknown reason. Little benefit has thus far been seen from the sub-irrigation. Nearly all the houses contain well tiled solid beds. Butted glass has been given an extensive trial but, because of leakage, is all being taken out and lapped. The establishment is heated by hot water with a battery of four boilers burning crude oil, only two of them being employed at one time, however. Mr. Breitmeyer, senior, is at present in Europe and the houses are in charge of his sons, Fred and Will.

FRANK HOLZNAGLE, DETROIT, MICH.

Frank Holznagle is classed as one of the very best growers whose stock is consumed in the Detroit market. He is at present rebuilding his range of 16,000 feet of glass, bringing everything up to date. He is using 16x16 lapped glass for which he paid $4.45 a box.

Carnations are the principal product here and Wm. Scott is the leading variety. Mr. Holznagle reports that he finds neither degeneracy in the sort nor a falling off in its favor with the public. He grows it to bring him an average of 2 cents the year round with $6 per hundred at Christmas. The moment any of his carnations fall below $1 in summer he throws out the plants, begins repairs and gets into ship-shape for replanting.

Cerise Queen is a coming carnation in Mr. Holznagle's opinion. He thinks the color admirable and the habit good, although the variety does not make so good plants in the field as do many sorts. He grows his own sport of Daybreak for white and has sold a great many of the plants to his neighbors. It has good strength but when extremely hot weather comes is not quite up to Flora Hill, which is grown in lesser quantity.

Mr. Holznagle is one of those conservative growers who do not believe in stocking up with every new thing which comes along, but he thinks well enough of G. H. Crane, America and a number of the other new sorts to give them considerable space under his glass. He has found this a remarkably good growing season and most of his plants in the field, and he has many more than he can use in his own houses, were ready to bench by July 15.

This grower has always been a factor to be reckoned with at the fall exhibitions, but this year he does not expect to figure in the chrysanthemum arena. His stock plants are in fine shape but his rebuilding operations have dragged so as to prevent planting before August 1 and he will make little attempt at obtaining specimen blooms.

ROBERT KLAGGE, MT. CLEMENS, MICH.

Robert Klagge has a model range of nine houses, the material for which was furnished by the Lockland Lumber Co., the owner himself doing all the work of erecting and in the most thorough manner. Of course he uses solid beds throughout; almost everyone does in south-eastern Michigan.

Mr. Klagge has only been in business a year or two, but he has been at it long enough to establish a reputation for his violets and make Mt. Clemens the Oconomowoc of Michigan. No better stock is grown than that which he sends into Detroit, much of it going to Breitmeyers', Mr. Klagge being, in fact, a brother-in-law of the Breitmeyer boys. He has five houses devoted to violets and benched the young plants in mid-July. The stock was from 2½-inch pots and

was remarkably vigorous. His principal variety is Marie Louise. He benched about 10,000 plants. One bench here is given up to a trial of Harry Balsley's bottomless pots, with which Sonnenschmidt & Junge, of Indianapolis, were so successful last winter. He isn't particularly enthusiastic over them but everybody else is and is using them and he will not let anyone set the pace for him in violet culture.

Mr. Klagge has two houses of carnations which are still producing good blooms and he also has a house of chrysanthemums and smilax, but one of the best money makers on the place is his house of cucumbers. He grows the White Spine principally and gets a large yield and prices which pay him all through the season.

HEIM BROS., BLUE ISLAND, ILL.

The Heim Brothers' establishment now contains over 28,000 square feet of glass, but within a few weeks they expect to put up another carnation house 12x312, the benches being already erected and the plants thereon. The sash, purchased from Dietsch & Co., will go up in the fall and this will give them a total of about 32,000 feet. The Heim Bros. do their own building, glazing, painting and steam fitting, there being three brothers, George, Charles and Edward. The houses are heated with Fairbanks' tubular boilers.

The principal productions of their houses are carnations, violets and roses. Of the latter they have but one house 25x150 made up of Mermets, Perle and Bridesmaid. Of carnations they have about 21,000 outdoors, the majority of which are Tidal Wave and Daybreak, also 1000 each of Cerise Queen, Mrs. Bradt, White Cloud, Argyle, and 500 Mary Wood. The dimensions of the carnation houses, of which they have six, are as follows: Four houses each 20x90 feet and one 35x300 feet, and one in course of erection, 12x312 feet.

Princess of Wales, Marie Louise and California, the latter in the majority, constitute the 11,000 violet plants now in the field. The violet houses are 12x90 feet each, there being four, and another 9x265 feet. The violets, as well as the carnations, now in the field are in first-class condition. The water supply is excellent, there being a 106-foot well, the water being pumped by a windmill which is assisted by a steam pump whenever necessary. From the well there are mains leading in different directions into the field, which makes watering an easy task.

The firm of Heim Bros. was established sixteen years ago and is therefore well known about Chicago, as they ship all stock to the Chicago market.

STEPHEN TAPLIN, DETROIT, MICH.

Stephen Taplin has been in the florist and nursery business long enough to know a good thing when he sees it and he says that the Crimson Rambler has come to stay. "Treat it as you would a blackberry bush," is his advice to amateurs. It has stood outside at his place for two winters and went unscathed through the big freeze of last February, when pretty nearly everything else suffered. Clematis Jackmanni was another thing which escaped and so did Magnolia Soulangeana. "The finest specimen I ever saw," said Mr. Taplin, "is a plant I set out some time ago for Wm. Murphy, here in Detroit. It is over twenty feet high and early in July it had over 1,000 flowers."

This was a prosperous spring for Mr. Taplin. He reports bedding plants in great demand, geraniums and cannas being particularly sought after, but the latter he believes will gradually drop out of favor. He has several thousand double white primulas potted up and set in hot beds. He shifts them on and into their flowering pots in September but they can be potted up to Christmas and come in well for blooming plants or for cut flowers, for which latter purpose Mr. Taplin finds them excellent. Vallota purpurea is a little-grown bulb of which this grower speaks in warm praise. It is a brilliant crimson and blooms in late summer, with six to eight erect blooms on a stalk. It is easy to grow, being carried through the winter on the dry side but without being dried out enough to cause the loss of the foliage.

There is a great bank of azaleas in pots plunged in Mr. Taplin's garden. Owing to press of spring work they were not moved outside until July 15, which is later than usual. They will be permitted to remain where they are until frost approaches, to complete their growth and set their buds; then they will be brought in and kept as nearly at rest as possible to bring out the bloom.

Mr. Taplin's early bloomers, the tulips, hyacinths, magnolias, lilacs and all shrubs did not remain in flower so long this spring as usual. The sudden transit from early spring to mid-summer did the mischief. He thinks lilacs should be planted more extensively, because of their early bloom, the lasting quality of the foliage and the fact that a large plant may be obtained in little time.

The recent rains have occasioned a revival of Mr. Taplin's business in the nursery line. He holds original ideas in regard to planting certain kinds of stock and successfully practices what he preaches. Conifers he plants either in spring, just as root action begins or in July or August, after the new growth has hardened so that it will not wilt.

Mr. Taplin has a range of 50,000 feet of glass under which he grows a little of almost everything, from bedding and house plants, cut flowers and greens, to palms, ferns and orchids. There are many rare old plants in his collection and many a florist is able to pick up there just the things his market demands. Consequently Mr. Taplin has an excellent wholesale trade.

Notes on Sweet Peas.

In an article on sweet peas in the AMERICAN FLORIST for July 8, W. T. Hutchins says that no sweet pea in Mr. Eckford's set for 1899 has so disappointed him as the new white, Sadie Burpee, and that on the date of writing it was only eight inches high in his grounds. On reading the article I measured mine and found them from four feet to five feet in height and the highest vines are now, August 12, about seven feet. I consider it the best of the set, but as the season advances many of the black-seeded variety turn pinkish, as Mrs. Sankey, a black-seeded white pea, sometimes does, while the white-seeded variety has kept its color. Mr. Hutchins also advises amateurs to wait until they can get American grown seed of Eckford's novelties, as they are not so likely to have success with the seed from Eckford's grounds. With regard to this I have only to say that out of three packages of Eckford's novelties for 1899, containing sixty seeds, I had fifty-nine plants and I do not think that this percentage is often equalled by American or Canadian seed.

There is another point. When Salopian first came out, a "sweet pea expert," writing to a contemporary, said that it usually has three flowers to the stem, that the first flower to open turns brown before the second opens, and that it has gone to seed before the third opens. This has never been the case here. We look upon it as the finest red and I notice that at the sweet pea show in Cohocton, N. Y., on August 1 and 2 Salopian was the premium red.

The same writer in 1898 said of the Duchess of Sutherland: It is "a soft, changeable, very light pink which fades out in the sun." In the report of the Cohocton show for August 1 and 2 there is the following note: "Duchess of Sutherland is highly regarded as a light blend and most growers claim that it has precedence over Modesty, Sensation and Lottie Hutchins." All of the above goes to show that the reports of sweet pea experts are not always to be implicitly relied upon.

Burpee's Earliest of All is beyond a doubt the best pea of the Blanche Ferry color. It is better than Extra Early Blanche Ferry in earliness, length of stem, substance of flowers and in the number of flowers per stem. About twenty per cent of the stems have four flowers, while it is rare to see more than three on Extra Early Blanche Ferry.

Sadie Burpee has longer and stronger stems than Blanche Burpee and the flowers have more substance in the former.

If I were restricted to a dozen varieties, they would be Sadie Burpee, Lovely, Prima Donna, Prince of Wales, Mrs. Walker, Earliest of All, Lady Nina Balfour, Lady Grisel Hamilton, Salopian, Emily Eckford, Oriental and a primrose yellow sport from Blanche Burpee found in one of Eckford's sealed packages four years ago and which has been named Mabel Millar. Of this dozen, nine came from the grounds of Mr. Eckford, one from Oregon and two from California.

Toronto, Ont. JAMES MILLAR.

A Successor to the Baby Primrose.

Primula Forbesi, the baby primrose, which was popular last year, especially among the retail florists of Philadelphia, is to have a successor next winter in the Swiss edelweiss (Leontopodium alpinum) and those behind it are so confident of a popular run that they already have a large stock of young plants under way, and will put these on the market as soon as the season opens.

It is a pretty little flower and very popular among the Swiss mountaineers, being their emblem of purity, and is much sought after by tourists. It thrives at an altitude of 6,000 feet on the Alps and Pyrenees, mostly in dangerous rocky places where the gathering of it is attended with considerable personal risk, and those who are successful wear it proudly as a badge of bravery.

Like the English primrose, once so common in England, the craze for specimens of the edelweiss has been so pronounced of late years that it is now becoming scarce and measures have had to be adopted by the local authorities to prevent its extinction. The botanical authorities at Geneva, Switzerland, have been active in trying to prevent this undesirable result.

The edelweiss is not hard to cultivate. It will succeed in any ordinary garden soil not too rich and likes plenty of sunshine. The seeds can be produced from any of the leading American seed houses and are inexpensive. G. C. WATSON.

Philadelphia.

BATCH OF BREEZY PERSONALITIES FROM THE CITY OF BROTHERLY LOVE.—STORY OF THE STAY-AT-HOMES.—SEED HOUSES EXPERIENCE ACTIVITY. — VISITORS AND INVALIDS. — WITH THE RETAILERS. — ABOUT CRICKET AND CHESS.

Although the cream of the trade are absent this week on affairs of state, there are still enough of us left to carry a bucket if the town should burn, and those who are entirely outside the ropes can at least thump the tub, Diogenes fashion, in humble imitation of more important labors.

Harry Bayersdorfer is one of the important few who stayed at home. He has been doing double duty, looking after arriving shipments and getting off orders. He reports business unusually good, which is no doubt attributable to the fine line of novelties and staple supplies he has brought with him from the other side as well as to the energetic policy of the house in "keeping everlastingly at it."

The seed houses are having another little spurt of business, shipping out Romans, Paper Whites and lilies, which have now commenced to arrive. The demand for bulbs of all kinds is good this season, and at this writing many items are likely to be scarce. Quite a number of the growers are sorry they did not secure their Harrisii early in the season. "Seven to nines" are not to be got at anything like the old figures.

We had a visit this week from a Londoner in the shape of Edward Tichener, of the firm of Stuart & Co., of Covent Garden, well known seedsmen there and at Nice in the south of France. Mr. Tichener called on his way back from Washington. He is here on a little pleasure trip combined with a modicum of business.

Robert Lockerbie, successor to the Penn Rock Company, of Wilmington, also paid us a flying visit. He reports prospects good for fall trade in his bailiwick.

David Bearn is sojourning at Atlantic City. His health has not been good for awhile back, and it is hoped that the sea air and the change will limber him up a bit. He has the best wishes of hosts of warm friends for a speedy improvement.

Frank Whitely is at Orr's Harbor, Me., these six weeks and will probably stay until October. A bad attack of nervous prostration has compelled this extended holiday. His partner, Mr. Smith, is kept busy "as a cat in a bonfire" attending to the firm's affairs at Lansdowne and in the city.

Robert Stewart and A. F. Sampson, retail florists of Thirteenth below Chestnut have taken the bull by the horns during the dull season and shut up their places entirely. Their neighbor, Hugh Graham, keeps open, but is not at all sure but closing is the best scheme.

Genial John Habermehl (Capt. Jack) reports good summer business and thoughts of closing up are far from his dreams. It makes quite a difference being located away up town among the people who stay at home and know of the delights of Bar Harbor and the rest only through reading the Sunday papers.

By the way, I see Robert Kilt is trying to belittle my cricket playing at Stoke Pogis last week. He claims I'd be talking about that great catch all over town. As to that, I don't have to—the whole town is talking about it! And there is also some mention of the *two* great catches that friend Robert made himself! On the whole, I think we might as well own up that we are a pair of "peaches" at cricket! And yet they talk of putting new men in our places for the return match at Wissinoming. The ungrateful wretches!

George Stewart, Tuxedo, N. Y., an old protege of John Gardner's, was in town yesterday looking up nursery stock. He found it almost impossible to believe that Mr. Gardner's Stoke Pogis aggregation could have succumbed to the city cricketers, and went out to condole with his old boss under the sad affliction.

Up to a short time ago our respected and venerable president, W. K. Harris, thought that in addition to making the rubber branch, playing shuffleboard, making rhymes, umpiring cricket games, and other accomplishments, he could play chess. I witnessed the beginning of a game at the Franklin Chess Club rooms between the said admirable Crichton and John Welsh Young recently. William began with some fine moves; "Scotch gambits" and other mysterious phrases came "pat" to his tongue, and I said to myself, "Great is our Bard, there's nothing he can't do." It pains me to relate, however, that the redoubtable Mr. Young "done him up," and a heavy silence has been kept over the matter ever since. I relate the incident with great reluctance, and only in the interests of truth. As the Duke of York says, "It's well we're not perfect—else what would there be to live for." There's still one thing the Deacon can practice at yet awhile—the intricacies of the ancient game of chess.

G. C. WATSON.

Boston.

APPLETON GOLD MEDAL AWARDED TO C. G. ROEBLING —OTHER MEDALS FOR THE SAME EXHIBITOR.—AN EXCELLENT DISPLAY. —MERRY PARTY BOUND FOR DETROIT.—BUSINESS JOTTINGS.

Saturday was a great medal day at Horticultural Hall. The rare honor of the Appleton gold medal was bestowed on C. G. Roebling for Cattleya Hardyana, Trenton variety. To describe the richness of this flower and do it justice is an impossibility. Young's variety of this same species won for Mr. Roebling a silver medal and Roeblingiana variety, a bronze medal. Bayard Thayer was given a silver medal for superior cultivation of Cattleya chrysotoxa with seven blooms and a silver medal for Nymphæa Brydonacea elegans and a certificate of merit went to J. E. Rothwell for Lælia (Brassavola) Digbyana. A superb plant of the latter was shown here a number of years ago by the late C. M. Atkinson. The hall was well filled with promiscuous displays, including a splendid collection of dahlias from W. C. Winter, phloxes from Rea Bros., W. N. Craig and W. C. Winter to whom the premiums were awarded in the order named; sweet peas and Lilium cordifolium from C. W. Hoitt, montbretias, Lilium tigrinum and Dahlia Souv. Mme. Morea from Mrs. J. L. Gardner, forced native plants from Miss Edith Noyes, gladioli from J. Warren Clark and various contributions from a number of other exhibitors. The fungus show was quite extensive and extended across one end of the hall. As usual it was the resort of a buzzing hive of pretty girls. Why do pretty girls always dote on the homeliest things they can scare up?

Monday morning at 11 o'clock one of the merriest parties that ever left Boston started for Detroit from the Union station, amid hand-shaking and good wishes from a host of their stay-at-home friends who had come to see them off. In the party were Mr. and Mrs. W. W. Edgar, Mr. and Mrs. Thos. A. Cox, Mr. and Mrs. W. Miller and two daughters, Mr. and Mrs. W. A. Bock, Mr. and Mrs. Alex. Montgomery, E. M. Wood, Geo. A. Sutherland, Wm. Nicholson, F. R. Mathison, Warren Ewell and Wm. J. Stewart, all of this neighborhood, with Mr. and Mrs. R. Vincent, Jr., Baltimore; Farquhar Macrae and M Sweeny, Providence; S. J. Reuter and son, Westerly, and R. W. Greene, Warwick. At North Adams they were joined by H. F. A. Lange and Mr. and Mrs. L. B. Brague and further west by C. B. Weathered and W. A. Manda.

W. Rosenthal has opened a branch store under the name of the Boston Cut Flower Co., at 5 Bromfield street. It is a very neat little establishment and well located to build up a good business.

The Florists' Exchange Co. moved from Pemberton square to a new location at the corner of Brattle street and Adams square.

Visitors in Boston: Miss M. S. Newman, St. Louis; H. T. Clinkaberry, Trenton, N. J.

St. Paul.

STATE OF THE MARKET.—JOTTINGS ABOUT THE TWIN CITIES.—GROWERS PLANTING.

The dull season finds some trade though it is rather spasmodic and mostly funeral work. All roses and carnations find ready sale, while outside stock is a drug on the market. In roses Kaiserin is easily the best. But very few inside carnations are being cut now and scarcely any outside. Sweet peas are becoming scarce but there is little sale for them. Asters are of indifferent quality. White ones find a ready sale for design work.

The growers are now preparing to plant carnations and violets. The stock in the field needs rain badly, especially where grown on light soil. One of our best violet growers benched his plants in May, a radical departure in this section.

From present indications there will be a delegation of fifteen or more from the Twin Cities who will attend the convention.

Fred Franke has erected two modern houses and extended the cross section connecting. He grows principally roses and carnations. Christ. Hansen has divided his large house into two; underneath one he is putting up a brick shed, using railroad iron to support the greenhouse. Carlson & Lauritsen have completed their addition previously noted and are now building a violet house.

A. Ekstrand, who formerly rented greenhouses on Portland avenue, has rented the houses at Forest Lake, twenty miles out, formerly conducted by W. Strehlow and Mr. Strehlow has rented the houses of H. H. Schulte, on Grand avenue. C. Hansen, for the past five years with L. L. May & Co., has rented the range of houses owned by H. W. Bunde, of Dale, and will devote them to carnations.

Jacob Hartmann, of Minneapolis, has just completed a modern dwelling at a cost of $3000. He enjoys a very large cemetery trade besides growing a great many roses and carnations.

At E. Nagel & Co.'s a house of carnations from which they have been cutting blooms since last October is still producing a good crop of flowers. The soil is free from weeds and the plants are kept up in as good shape as during the winter. This, I think, is the secret of their success in growing. They have several thousand young plants of Asparagus plumosus nanus grown from seed raised on the place.

FELIX.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

EVERY year scrub inside paint work of all houses with soap and brush and every second year follow the scrubbing with a coat of paint.

MANY ladies attended the Detroit convention of the S. A. F., and it was ungallant to exclude them from the photograph group.

WITH this number we issue a supplement containing portraits of the officers and executive committee of the Society of American Florists. Extra copies, fifteen cents each.

CLEAN all benches annually to the extent of washing with hose and after same are thoroughly dry cover with thick coat of whitewash all over, using old brooms.

THE ladies of Galveston, Texas, will give a chrysanthemum show for charity November 14 and 15 and have prepared a premium list tooting up about $300. S. J. Mitchell, of Houston, will be the judge.

WHEN building let each man at the work carry a paint pot of white lead, and whenever a piece is put into the building see that it is covered with paint. If a shaving is taken off a piece, let the spot at once be daubed with paint.

DESPITE the fact that the output of iron in the first half of the year was 6,289,167 gross tons, an increase of ten per cent over the same period of 1898, there is a marked scarcity of the metal, and many small mills which have no contracts for a regular supply of pig-iron will be forced to close. There is at present no indication of lower prices.

Defective Dahlia Growth.

ED. AM. FLORIST:—Under a separate cover I send you some top growths taken from my dahlias. You will notice that the growth buds are destroyed, and I would like to know the cause and remedy. I. M. B.

The defective growth or blasting of terminal buds have usually been conceded by old dahlia growers to be caused by a dahlia mite, but after examining the tops forwarded would say these were caused by the spotted cucumber beetle, which is now not more than half grown. If these beetles can be destroyed it will still save the flowers, late as they are. It is the same bug that eats round holes in the petals or rays. The blasting of the flower buds may also be caused by the dahlia mite and by dry hot weather, but as many varieties seem to be proof against all insects and conditions the best remedy is to grow vigorous varieties and give good culture, and every fall dry and burn the tops. W. P. PEACOCK.

Convention Accident.

As we go to press we learn with much regret of an accident to J. Austin Shaw at Detroit. While indulging in some games at the swimming baths of the Oriental Hotel Thursday evening he fell, striking his head on the marble floor, and fracturing his skull. Mr. Shaw is at present in a serious condition.

Catalogues and Cut Flower Price List Received.

T. W. Wood & Sons, Richmond, Va., seeds; C. Ribsam & Son, Trenton, N. J., trees and shrubs; E. H. Hunt, Chicago, Ill., pansy seed; Flower City Plant Food Co., Rochester, N. Y., fertilizers; Geo. M. Garland, Des Plaines, Ill., gutters; L. Ederer, Omaha, Neb., alarm beds; White Enamel Refrigerator Co., St. Paul, Minn., refrigerators; Webster Bros., Hamilton, Ont., plants and shrubs; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers.

From Philadelphia to Detroit.

It was a merry party that boarded the special car last Monday morning enroute to Detroit. A number of the boys gathered to see us off, and "Be sure to bring back that cup" was the last admonition given as the train pulled out. The day was fine and the only drawback was the special car, which was not what was promised the committee. This was soon forgotten, however, and with the hearty good will of the company and the ever changing scenery the time passed all too quickly.

At Wilkesbarre the New York delegation, headed by Messrs. May, Weathered, O'Mara, Dean and others, boarded the car, which was coupled next to theirs, and we became as one party. John Westcott bore out his reputation as a provider of good things, and if anybody went hungry or thirsty it was their own liking. The train pulled into Buffalo an hour late, at 10 p. m., and there was the usual hustle for sleeping car berths. Matters were finally straightened out however. Messrs. Scott and Kasting were at the station on the arrival of the train and extended a hearty welcome to the delegation. After a long delay the Boston, or "Way Down East," members were seen aboard their car, which now took the place of that of the New York gentlemen, who went forward by another route. A symposium in the smoking room of a parlor car with Messrs. Stewart, Mathison, Ewell and Scott in the chief roles put new life into such tired travelers as were fortunate enough to be present. All finally retired, many not putting in an appearance until the busy city of Detroit was sighted, with the cheery faces of the reception committee. K.

Steam Heating.

ED. AM. FLORIST:—I have two greenhouses which I wish to heat by steam and would like to know the best way to do it. One is 25x100 feet, twelve feet to ridge, and runs east and west with side walls five feet high. I wish to make here solid beds about three feet high for carnations, three of the beds to be four feet wide, the others two and a half feet. Greenhouse No. 2 runs north and south, 20x60 feet, twelve feet to ridge, side walls five feet, and is intended for pot plants. What size of boiler will be necessary to heat these two houses? How much and what size of pipe will be needed? Can you recommend a good boiler? The boiler shed is forty feet from these greenhouses and the pipes from boiler must be carried through another greenhouse. M. R.

Very satisfactory results are usually obtained with a supply pipe running overhead to the farther end of the houses, with the coils on the side walls, but with solid beds it is desirable to have walks along the walls. For a house twenty-five feet wide, intended for carnations, it is a good plan to use three beds, each about six feet wide. In a house of this width one 2½ inch main and eight 1¼-inch pipes in the coils will be desirable where the temperature drops to 10° or 15° below zero. For a house 20x60 feet, in which a temperature of 60° is to be secured, a 2-inch main and ten 1¼-inch returns could be used. A boiler rated at ten or twelve horse-power would be found large enough, although if other houses are to be added within two or three years, it might be best to put in a larger boiler to start with. If of twenty or more horse-power, a tubular boiler might be used, but if a smaller size is desired, almost any of the steam boilers advertised in the AMERICAN FLORIST would give good satisfaction. While it would vary somewhat with the arrangement of the heating surface, the boiler selected for the houses described above should have from six to seven square feet of grate, about 150 square feet of heating surface, and would be rated for 1000 to 1200 square feet of radiation. L. R. TAFT.

Greenhouse Building.

Pawtucket, R. I.—M. J. Leach, carnation house 18x130.

Cleveland, O.—A. Graham & Son, carnation house 23x135.

Marshall, Mo.—Marshall Floral Co., house 12x112.

Newark, O.—G. L. Miller, house 28x130.

Green Bay, Wis.—Raymaker & Sons, large greenhouse.

Shamokin, Pa.—Joseph Harris, carnation house 30x70.

Minneapolis, Minn.—R. J. Mendenhall, range of houses. C. A. Smith, rose house 35x110.

St. Paul, Minn.—Carlson & Lauritsen, one violet house.

Somerville, N. J.—J. H. Christie, range of seven houses.

Rose Hill, Ill.—Rose Hill Orphan Asylum, three houses 22x290; palm house 20x60.

Pekin, Ill.—M. Schantz, house 20x60.

Quincy, Mich.—A. B. Cole, house 24x100.

Ann Arbor, Mich.—G. Bischoff, house 14x45.

Kankakee, Ill.—Faber Bros., one house 20x100.

Washington, Pa.—Richard Forrest, house 22x150.

Brooklyn, N. Y.—A. L. Miller, two houses.

Rockford, Ill.—Burdick Bros., one house.

Dubuque, Ia.—W. A. Harkett, one commercial house.

Galesburg, Ill.—I. L. Pillsbury, carnation house 10x100.

Fort Dodge, Ia.—J. M. Kellenberger, two houses.

Melrose, Mass.—John Walsh & Son, carnation house 20x125; palm house 25x110.

Bridgeport, Conn.—James E. Beach, one palm house 25x200.

Gloucester, Mass.—F. B. Barrington, two commercial houses.

Pittsfield, Mass.—Mrs. Joseph Murray, one conservatory 30x50.

Lexington, Mass.—Norris F. Comley, one violet house 18x100.

Lenox Mass.—G. Foster, range of houses.

Washington, D. C.—Thos. Diedrich, one house 20x172.

West Chester, Pa.—Jos. Kift & Son, one house.

Marlboro, Mass.—Frank Howe, one house.

Baltimore, Md.—Matthias Richmond, one house 12x190.

Chicago, Ill.—Geo. Wittbold, house 25x125. Kidwell & Bro., show house 20x175. C. Held, house 22x102. Damm Bros., house 24x45. Humboldt Park, four houses 19x60.

Woonsocket, R. I.—G. A. Aldrich, one house.

Grand Rapids, Mich.—J. A. Creelman, two violet houses.

Seymour, Ind.—M. A. Barick, two houses 17x65, one 18x50.

Bloomington, Ill.—A. Washburn & Son, 150-foot house.

Pittsburg, Pa.—Mrs. E. A. Williams, rebuilding six houses 22x150. A. M. & J. B. Murdoch, two houses 21x150, one 10x150.

London, Ont.—London Floral Co., carnation house 18x120.

Beaver, Pa.—T. M. Fitzgerald, range of houses.

Angola, Ind.—R. F. Carpenter, house 12x60.

Manheim, Pa.—E. P. Hostetter, four houses 15x200. Abraham Hostetter, four houses 15x200.

OBITUARY.

MRS. J. J. HARRISON.

Mrs. Harrison, wife of J. J. Harrison, of Storrs & Harrison, Painesville, O., died suddenly August 16. Mr. Harrison, two sons and a daughter survive and have the sympathy of the trade.

EBENEZER S. LIVINGSTON.

The demise of E. S. Livingston, which occurred on August 7, was the third in the Livingston Seed Company, Columbus, O., within a year, a brother, W. D. Livingston, having died but a few months before their father, the venerable A. W. Livingston, who passed away November 10, 1898. Ebenezer S. Livingston was born in 1855 and has been identified with the seed trade since his early manhood, at Columbus, Des Moines, Ia., and London, O. He had been ill but a few days with typhoid fever. Mrs. Livingston and four children survive him.

WILLIAM GREENE COMSTOCK.

The founder of the firm of Comstock, Ferre & Co., Wethersfield, Conn., died August 4 at his home at East Hartford, aged 89 years. Mr. Comstock came of Revolutionary stock. His early manhood was spent in teaching school in New England. In 1832 he went into the office of the *New England Review*, published at Hartford, succeeding John Greenleaf Whittier as editor. The *Review* that year became a daily, the first issued in Hartford. In 1836, having sold the *Review*, the Comstock family removed to Wethersfield. Mr. Comstock and B. N. Strong bought the seed business of James L. Belden, which has been continued ever since and with which S. F. Willard, secretary of the American Seed Trade Association, is now identified. In 1845 Mr. Comstock divided his business, taking in Henry Ferre and Daniel Strong and incorporating under the name of Comstock, Ferre & Co. He was identified with most of the early steps in the development of the seed trade, but had given up active work some years since and had disposed of most of his stock in the company prior to his death. He left a competence to his six surviving children.

WM. M'MILLAN.

William McMillan, superintendent of the Essex county, N. J., park system, died at his residence in Newark on Tuesday, August 1. Mr. McMillan was born at Nairn, Scotland, sixty-three years ago, and came from a race of gardeners. Forty-seven years ago he came to this country and located on the estate of Lowell Mason, at Orange, N. J. From 1858 to 1871 Mr. McMillan served as gardener upon private estates at Orange, Throggs Neck, N. Y., Tubby Hook, on Long Island Sound and at Washington Heights, on the Hudson. In 1871 he was appointed superintendent of the public parks of Buffalo, which were then in their inception and little more than a tract of rough woods. He made them what they are. His incumbency lasted twenty-seven years, until the park management was drawn into politics and Mr. McMillan refusing to be made an instrument for public plunder, after a hard-fought battle in which the public press sustained him, retired. It is only a little over a year since he came to Branch Brook, Newark, and entered upon his duties as superintendent of the Essex county parks. His death is the first in his family. He leaves a widow and two married daughters. Funeral services were held at his house on August 2, and the remains were taken to Buffalo. Mr. McMillan was an acknowledged authority on forestry. He was a lover of nature and strongly prejudiced against artificial or display effects in landscape and park work. His masterly plea for natural simplicity and restful surroundings in public reservations, at the S. A. F. convention in Buffalo, and his witty sarcasm on that memorable occasion made a sensation that stirred the country and will never be forgotten by those who listened to it. In his personal tastes simplicity ruled. He was an unpretentious, kindly-hearted man. Those with whom he was brought into association loved him for his rugged honesty and he will be missed and mourned. His death is an irreparable loss to the profession that he honored and to the community in which he labored.

Pittsburg.

BUSINESS VERY QUIET.—A BUSINESS CHANGE.—A PAIR OF VISITORS.

Were it not for the occasional order for funeral work florists would have little to do. The warm weather has driven many people to the watering places, with the natural result that there has been a decided falling off in business.

The firm of Elliott & Ulam has been dissolved. The business will be continued at the old stand, 223 Fifth avenue, by Thos. M. Ulam & Co. Mr. Elliott has assumed charge of the greenhouses of Chesswick and will devote most of his time to growing cut flowers.

Ed. Reed and A. B. Cartledge, of Philadelphia, visited Pittsburg, arriving Saturday, and joined the Pittsburg and Allegheny delegates going to the convention. The party numbered about sixty.

G. O.

STERLING, ILL.—F. A. Belt has enjoyed an excellent trade for several months past and is building a new rose house.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By florist, 8 years' experience; cut flowers, plants; single, 25. Good references. W. G., 615 Race St., Cincinnati, O.

SITUATION WANTED—As foreman by a good all-around florist; 6 years foreman in present place. Address A. C., care American Florist.

SITUATION WANTED—With privilege of buying or taking partnership in small greenhouse business, if agreeable to both parties. Address Box 95, Gunston, Va.

SITUATION WANTED—By a well-experienced grower of roses, carnations and 'mums; 17 years' experience; age 36, married, strictly sober. Gilt-edge references. Address H. O. B., care Am. Florist.

SITUATION WANTED—By gardener and florist; long experience in greenhouses (all kinds) and gardening; private place or superintendent of small park preferred. Best references. M., care Am. Florist.

SITUATION WANTED—By long-experienced grower of all sorts of pot and bedding plants; German married; understands growing mushrooms, also vegetables outdoors, under glass and to both ds Whiting to fire in winter. H. DUERSCH, Leechburg, Pa.

SITUATION WANTED—As vegetable gardener, by single German 27 years old; competent to take charge of a garden; 6 years' experience in glass gardening at Cincinnati, O.; have a garden in charge at present. State all particulars in first letter. References if desired. Address JOHN X. SCHAEFER, care Carl Skjoldager, Oxford, O.

WANTED—Nicholson's Dictionary of Gardening—second hand. JGN. SCHMITT, 489 E. Oak St., Portland, Oregon.

WANTED—An assistant for a good private place in Wisconsin; single, sober and industrious. Apply at VAUGHAN'S SEED STORE, Chicago.

WANTED—To buy or rent with privilege of buying, greenhouse establishment; 5,00 to 10,000 feet of glass. State lowest cash renting and buying price. Address GROVE L. TYLER, Gunston, Va.

FOR SALE—Fifty boxes 12x16 A glass single thick; also 1750 feet 1¼ inch steam pipe. Address W. C. GROVES, Topeka, Kan.

FOR SALE OR RENT—Fortune for live florist with small capital. Write me and I will prove it. F. I. T., care American Florist.

FOR SALE—Stock for and lease of 5,000 feet of commercial glass; good condition; Chicago suburb. Apply to WHOLESALE, care Am. Florist.

FOR SALE—90 feet 4-inch black pipe; 100 feet 2 inch black pipe; 400 feet 1 inch black pipe; one Hitchings hot water boiler No. 22. Address O. L. BAIRD, Dixon, Ill.

FOR SALE—One Devine boiler, seven flues, good order; reason, for selling, must have a larger boiler for my houses. MRS. S. E. BECKWITH, Mt. Pleasant, Ia.

FOR RENT—Three greenhouses 5000 feet glass, at Rogers Park, three blocks from steam railroad and two blocks from electric cars. Call or address G. P., Room 6, 127 Wells St., Chicago.

FOR SALE—Fine opportunity to grow early vegetables and raise spring chickens for home and city market successfully. Small capital, easy terms. VEGETABLES, care American Florist.

FOR SALE—First-class, old established retail store on north side, Chicago. Reason for selling, have other business in which greater capital is invested. Will sell very reasonable if taken at once. Address BARGAIN, care American Florist.

FOR SALE—Four greenhouses and stock; heated by steam, opposite four cemeteries; no opposition; doing splendid business; electric cars pass the office. Will sell cheap on account of retirement. FLORIST, 2228 So. Meridian St., Indianapolis, Ind.

FOR SALE...

350 feet 4-in. heavy steam pipe, in good condition. Will furnish new couplings, $25.00 per 100 feet.

Two 6-in. low pressure steam or hot water valves, open way. Socket joints in first-class order. Send us a bid for them.

CRITCHELL'S, 110 E. 4th St., Cincinnati, O.

There Are Buyers

For all kinds of good stock advertised in.....

THE AMERICAN FLORIST

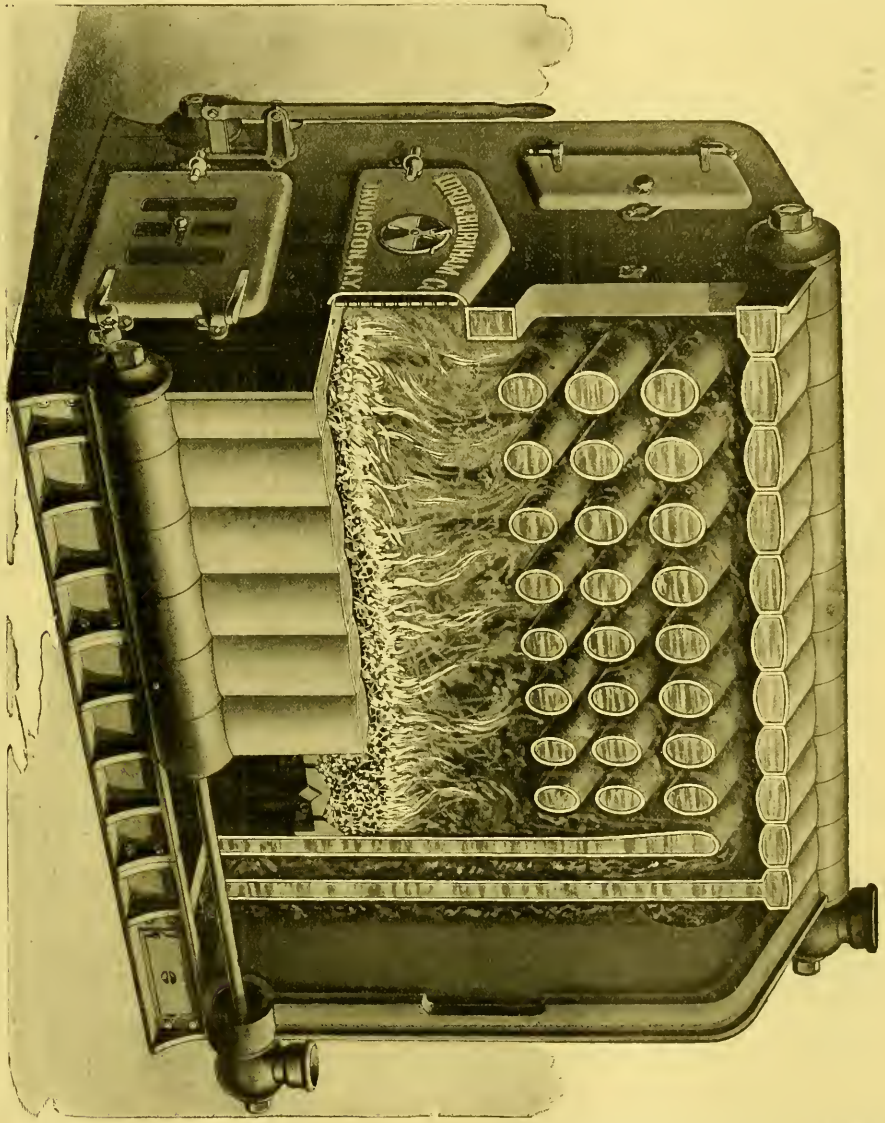
LORD & BURNHAM CO.

ESTABLISHED 1856.

Horticultural Architects and Builders and Manufacturers of Heating and Ventilating Apparatus.

Plans and estimates furnished on application for Heating and Ventilating Apparatus erected complete or for material only.
☞Highest Awards at the World's Fair. Catalogue of Patent Iron Greenhouse Construction mailed on receipt of five cents postage.

NEW SECTIONAL HOT WATER HEATER.



Specially adapted to large ranges. Will heat up to 16,500 ft. of glass. **Large Heating Surface, Perfect Combustion, Highest Economy, Moderate Cost.** Also Heaters for smaller work. Catalogue of Greenhouse Heating and Ventilating Apparatus mailed from New York office on receipt of 5 cts. postage.

ESTIMATES FURNISHED FOR CYPRESS GREENHOUSE MATERIAL.

NEW YORK OFFICE, St. James Bldg., Broadway and 26th St. GENERAL OFFICE AND WORKS, Irvington-on-Hudson, N. Y.

Grand Rapids.

GOOD GROWING WEATHER.—BENCHING CARNATIONS AND VIOLETS.—ROSES PROMISE GOOD CUT.—BUILDING OPERATIONS DRAWING TO A CLOSE.

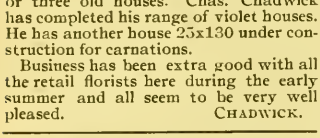
This has been an ideal summer, so far as outdoor culture goes, and carnations in the field have made a nice growth. There will be some early lifting this year and all the carnation growers will make special effort to get them planted as soon as possible from now on. Roses are planted with nearly all the florists and are looking very good; there promises to be a very large cut during the coming season. Violets will be grown in much larger quantities as nearly every grower will increase his output in this direction. Nearly all the plants are grown on the benches during the summer, some with and some without glass over them.

Building has been going on quite extensively the past six weeks. The Grand Rapids Floral Co. has removed the older plant and rebuilt, getting the houses all together and adding several new ones. Henry Smith has torn down and rebuilt several old houses and added 10,000 feet to his place.

Crabb & Hunter have nearly completed their two new houses. J. A. Creelman, of the Central Floral Co., is building a couple of houses for violets. F. A. Chapman is tearing down and rebuilding two or three old houses. Chas. Chadwick has completed his range of violet houses. He has another house 25x130 under construction for carnations.

Business has been extra good with all the retail florists here during the early summer and all seem to be very well pleased. CHADWICK.

HARDY CUT FERNS



FANCY DAGGER

IN 1000 LOTS, AT 75 Cents PER 1000.

Discount on large lots.

Also dealer in **Sphagnum Moss, Bouquet Greens, Christmas Trees, Etc., Etc.**

L. B. BRAGUE, Hinsdale, Mass.

Mr. and Mrs. Brague will be pleased to meet all old customers and friends at the Convention.

HARDY CUT FERNS.



In 1000 and 2000 lots, 50 cts. per 1000. In lots from 5000 to 10,000, 10 cts. In lots of 20,000 and 30,000, 35 cts. per 1000 cash.

CASH WITH ORDER.

Sphagnum Moss, in 200 lb. sacks, 50 cts. per sack.

Bouquet Green and Laurel Roping All orders by mail or dispatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

Mention the American Florist.

THE AMERICAN FLORIST'S

COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St. Chicago

LEO. NIESSEN,

Wholesale Florist,

13th and Filbert Streets, PHILADELPHIA, PA.
(Northwest Corner.)

Long Distance 'Phone 3-45-94 D.

The BEST of Everything in its Season.

My new location and commodious quarters with large storage capacity will enable me to handle my rapidly increasing business in the best manner.

WANTED: A CONSIGNOR OF GOOD VALLEY WHOM I CAN DEPEND ON THE YEAR AROUND.....

PITTSBURG CUT FLOWER CO., Ltd.,

WHOLESALE FLORISTS,

Long Distance 'Phone 2157.

Consignments Solicited.

No. 705 Penn Ave.,

FLORISTS' SUPPLIES. WRITE FOR PRICE LIST. PITTSBURG, PA.

Wholesale Flower Markets

CINCINNATI, Aug. 17.

Roses, Bride, Bridesmaid	2 00@ 3.00
" Meteor	3 00@ 4.00
" Perle	2 00@ 3 00
Carnations	.50@ 1.00
Asters	1 00@ 3.00
Sweet Peas	.25
Gladiolus	3 00
Tuberoses	3 00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Aug. 17.

Roses, Beauty	4 00@20 00
" Bride, Bridesmaid, Meteor	2.00@ 3.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1 50
Smilax	12.50
Adiantum	1.00
Asparagus	50.00@75.00
Sweet Peas	.25

MILWAUKEE, Aug. 17.

Roses, Beauty, long per doz.	2.00@ 3 00
" " medium " "	1 25@ 1.50
" " short " "	.75@ 1 00
" Bride, Bridesmaid	2 00@ 4.00
" Perle	2 00@ 3.00
" Meteor	3 00@ 5.00
" Kaiserin	3.00@ 5 00
Carnations, fancy	1.50
" good stock	.50@ 2 00
Gladiolus	2 00@ 3 00
Sweet Peas	.10@ .15
Harrisii	8 00
Auratum	12 50@15 00
Asters	.50@ 1.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	12.50@15.00
Asparagus	60.00

PITTSBURG, Aug. 17.

Roses, Beauty	5.00@25 00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	4 00@ 8.00
" Niphetos, Perle	2.00@ 4.00
Carnations, short stems	50
" long "	.75@ 1.50
Lily of the valley	3 00@ 4 00
Smilax	15 00
Adiantum	.75@ 1 00
Hardy ferns	.25
Galax leaves	20
Asparagus	40.00@50.00
Sweet Peas	.20@ .50
Asters	4.00@ 2 00
Gladioli	1.00@ 2.00
Lilium Speciosum	4 00@ 6.00
" Auratum	10.00@15 00

Tell them where you saw the ad.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

P. O. Box 103. MILWAUKEE, WIS.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Philadelphia and Return, $16.45
VIA THE WABASH.

The Wabash will sell tickets, Chicago to Philadelphia and return, Sept 1 to 4, as above; other tickets, a little higher, giving greater privileges. Write for particulars. Ticket office, 97 Adams St., Chicago.

EXCURSION TO TORONTO VIA THE WABASH.

The Wabash will sell excursion tickets from Chicago to Toronto, August 26 to 29 at $12.40 for the round trip, account of Toronto Fair. Write for particulars. City ticket office, 97 Adams St., Chicago.

CHEAP LAND EXCURSION TO MOBILE, ALA.
VIA THE WABASH AND M. & O.

The Wabash will sell excursion tickets from Chicago to Mobile, Ala., and return at $15.00 for the round trip, good to leave Chicago on August 22 only. Write for maps, time tables and full particulars. F. A. Palmer, Asst. Gen. Pass. Agt., 97 Adams St., Chicago.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, - - CHICAGO.

We Have the LARGEST WHOLESALE House in Chicago.

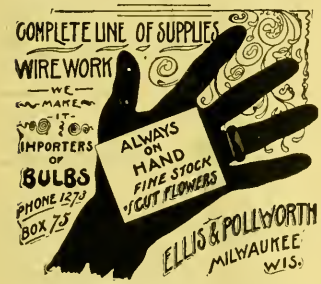
OUR SPECIALTIES: ORCHIDS, HIGH-GRADE ROSES, CARNATIONS and VIOLETS.

Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

REINBERG BROS.
...WHOLESALE...
Growers of Cut Flowers
800,000 FEET OF GLASS.
We can fill orders on short notice with all leading varieties of ROSES and CARNATIONS.
We ARE Headquarters for fine AMERICAN BEAUTIES.
SALESROOM, 51 Wabash Ave., CHICAGO.

A. G. PRINCE & CO.
Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.
Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.
76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

CINCINNATI CUT FLOWER CO.
SUCCESSORS TO
H. L. SUNDERBRUCH CO.
Wholesale Commission Florists
416 Walnut St., CINCINNATI, OHIO.
Consignments Solicited. Special Attention Given to Shipping Orders.



Wholesale Flower Markets

CHICAGO, Aug. 18.

Roses, Beauty,	24 inch		2.50
" "	20 "		2.00
" "	15 "		1.50
" "	12 "		1.25
" "	8 "		1.00
" Bride		3.00@	4.00
" Bridesmaid		3.00@	4.00
" Perle		2.00@	3.00
" Meteor		3.00@	4.00
Carnations		1.00@	1.50
Sweet Peas		.10@	.50
Cornflowers			.50
Water Lillies			1.00
Gladioli		1.00@	1.00
Asters		.50@	2.00
Mignonette		1.00@	2.00
Hydrangeas	per dozen	1.00	
Golden Rod			1.00
Adiantum		.50@	1.00
Common ferns			.15
Fancy Ferns			.20
Smilax		10.00@	15.00
Asparagus			50.00

Benthey & Co.
F. F. BENTHEY, Manager,
Wholesale Commission Florist
41 Randolph Street, CHICAGO.
Consignments solicited.....

Lynch WHOLESALE FLORIST.
19-21 E. RANDOLPH ST. CHICAGO

GALAX LEAVES.
Brilliant Bronze and Green.
$1.25 per 1000. Price in quantity on application.
HARRY A. BUNYARD,
42 West 28th Street, : NEW YORK CITY.

E. H. Hunt
THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS
Hunt's Flowers Go Everywhere
76 Wabash Ave., CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL
Wholesale Florist
Don't Forget that we are at 4 Washington St., Chicago.
Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.
J. A. BUDLONG,
37-39 Randolph Street, CHICAGO, ILL

Illinois Cut Flower Co.
WHOLESALE FLORISTS.
J. B. DEAMUD.....
51 & 53 Wabash Ave., CHICAGO.

E. C. AMLING
Wholesale Cut Flowers
51 Wabash Avenue,
W. S. HEFFRON, Mgr. CHICAGO.

KENNICOTT BROS. CO.
Wholesale Cut Flowers and Florists' Supplies.
42-44 RANDOLPH ST., CHICAGO.
WIRE WORK A SPECIALTY.

WIETOR BROS.
SUCCESSORS TO
ROGERS PARK FLORAL CO.
Wholesale Growers of **CUT FLOWERS**
51 WABASH AVENUE,
Headquarters For American Beauties. CHICAGO
Mention American Florist.

Leather Bound

copies of the new edition of our DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada, arranged both by states and towns and alphabetically. Price, $3.00; in board covers, $2.00.

American Florist Company,
324 Dearborn Street, Chicago.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

DURING THE SUMMER MONTHS, COMMENCING JULY 3rd, WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES. JOBBERS IN FLORISTS' SUPPLIES

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Mention American Florist.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

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Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

PHILADELPHIA, Aug. 16.

Roses, Tea	2.00@ 3.00
" extra	4.00@ 5.00
" Beauty, extra	8.00@12.50
" " firsts	4.00@ 8.00
" " seconds	2.00@ 4.00
Carnations	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet Peas	.15@ .20
Asparagus	.35 0@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00

BOSTON, Aug. 16.

Roses, Beauty, select	15.00@25.00
" " ordinary	2.00@ 5.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 3.00
Asters	.40@ .50
Pink Pond Lilies	4.00@ 6.00
Gladioli	1.00@ 4.00
Smilax	8.00@10.00
Asparagus	50.00
Adiantum	.50@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

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Wholesale Florist,

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☞ A complete line of Wire Designs.

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Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

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Consignments of Choice Valley and Roses solicited.

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WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

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Successor to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

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Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—

Wellington St., Covent Garden, London, England.

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

Top Grade

BEAUTIES, BRIDES. BRIDESMAIDS.

LILY OF THE VALLEY and METEORS, for summer shipments.

Extra Carnations.

New Telephone No. 1998 Madison Square.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.

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...Wholesale Florist...

SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.

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Wholesale Florist,

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WHOLESALE FLORIST

New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*

Roses shipped to all points. Price List on application.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

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THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

....30 West 29th Street.

New Telephone No. 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. NEW YORK.

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist

Now Ready!

The American Florist Company's..

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY

324 Dearborn St., CHICAGO, ILL.



Write for Prices on

HARDY CUT FERNS.

LAUREL FESTOONING $5.00 per 100 yards. | PRINCESS PINE $5.00 per 100 lbs.

And all FLORISTS' HARDY SUPPLIES.

CROWL FERN CO., Millington, Mass.

Telegraph Office, New Salem, Mass.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 16

Roses, Beauty select	10.00@25.00
" " ordinary	2.00@ 5.00
" Bridesmaid, Bride, Morgan	.50@ 2.00
" Kaiserin, Meteor	2.00@ 6.00
Carnations	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	1.00@ 2.00
Auratum lilies	3.00@ 6.00
Gladioli	1.50@ 2.00
Asters, per hundred bunches	1.00@ 3.00
Cattleyas	40.00@50.00
Smilax	5.00@ 8.00
Asparagus	25.00
" Sprengeri, per doz. bunches	1@2
Adiantum	.50

BUFFALO, Aug. 17

Roses, Beauty	3.00@25.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1.00
" fancies	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Lilium Auratum	8.00@12.50
" speciosum	5.00@ 6.00
Asters	.50@ 1.50
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00
Sweet Peas per bunch	.02@ .06
Gladiolus	2.00@ 3.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

Edw. C. Horan, WHOLESALE FLORIST.

47 West 28th Street, NEW YORK.

New Telephone No 421 Madison Square.

CAN FILL YOUR ORDERS FOR FINE

BEAUTIES, BRIDESMAIDS, BRIDES and CARNATIONS.

Write for Price List. Notice New Number.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES SWEET PEAS LILIES

JULIUS LANG

53 WEST 30th STREET NEW YORK

CARNATIONS Tel. 280 Madison Sq

Mention the American Florist.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

M. A. HART,

Commission DEALER IN Cut Flowers,

44 WEST 29TH STREET, *NEW YORK CITY.*

THE BEST MARKET IN NEW YORK.

'Phone 325 Madison Square.

Ford Bros...

Wholesale Florists

111 West 30th Street, NEW YORK.

Consignments Solicited. 'Phone, 157 Madison Sq

Galax Leaves

For Summer Use in Cold Storage.....

Write the INTRODUCER,

HARLAN P. KELSEY,

1106 Tremont Bldg., BOSTON, MASS.

Mention American Florist.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO., ...324 Dearborn St., CHICAGO.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

W. ATLEE BURPEE passed through Chicago August 15 enroute home from California and Yellowstone Park.

D. LANDRETH & SONS, seed merchants of Philadelphia, Pa., have severed their their connection with Mr. James O'Neill as one of their traveling representatives.

ARTICLES of association of the Robert Veitch Company, New Haven, Conn., organized to transact a general business in seeds and plants, were filed July 31. The capital stock is divided into sixty shares of $25 each, apportioned among A. M. Pierson, Robert Veitch, Robert Veitch, Jr., Willis E. Miller, Wm. Veitch, A. N. Farnham, Hobart L. Hotchkiss and C. H. Wardell.

Chicago.

INNOCUOUS DESUETUDE SETTLES OVER THE TOWN.—NO LIFE IN MARKET AND NO GOOD ROSES.—ALL KINDS OF ASTERS.—BIG WIND AT ROGERS PARK.—NOTES.

This has been a dull week in the wholesale cut flower district. Those of the boys who may generally be counted upon to stir up some little breeze even in mid-August have been absent at the convention and those who were left at home have had little more to do than overcome the inertia occasioned by the spiritless conditions. Funeral work has been the sum total of local business and for this asters have been even more generally used than before. There are large quantities of these blooms available, some of them in good demand at $1.25 a hundred, and worth it, and others moving slowly at a nickel a bunch. Good asters go well because really good roses, particularly Brides and Bridesmaids, are not to be had; the best of the stock is not really good and there are very few roses of any kind. Carnations are seldom seen in quantity, but there is any amount of garden flowers on hand.

Out at Rogers Park on last Friday night the big wind did quite a bit of damage to glass, the greatest loss being to Adam Zender, whose big chimney was blown upon the roof of a house, occasioning a $500 crash.

A. Claus and his sister, Mrs. Jennie C. Wilkinson, of Springfield, Ill., were in town for a few days this week enroute home from a month's outing, including Waukesha and Mackinac Island.

Mr. Freyling, of Freyling & Mendals, Grand Rapids, was a recent visitor, accompanied by Mrs. Freyling and their son.

E. C. Amling is able to be down town again but is still taking good care of himself.

BARABOO, WIS.—Hugh Hills has been spending a vacation at his old home at Macomb, Ill.

BEARDSTOWN, ILL.—Frank Burtenshaw has considerably increased his facilities by adding another rose house.

BUTTE, MONT.—Law Bros. & Day are fitting up a new store to which they expect to remove shortly. They will be very nicely situated.

OWOSSO, MICH.—John S. Schleider, of the Sunnyside Greenhouses, is building a new store and conservatory, made necessary by rapidly increasing trade.

NO CHARGE FOR THE ADVICE!

WHEN HOUSING CARNATIONS AND ROSES REMEMBER TO APPLY **Fostite**

as a preventive against RUST ON CARNATIONS and MILDEW ON ROSES. The use of Fostite (containing Sulphate of Copper) is not an experiment; it is regularly applied by leading florists during a number of years. Price—5 lbs., 50 cts.; 25 lbs., $2.00; 50 lbs., $3.50; 100 lbs, $6 50; 220 lbs., $8.75. Put up for dealers—24 2-lb. packages for $4.00; retails for 25 cts.

FOSTITE is best applied by JOOSTEN'S MAGAZINE BELLOWS, pronounced best for applying all kinds of plant powders. Price for the greenhouse, $3.50; for the farm, $5.00.

C. H. JOOSTEN, Importer of Bulbs, Plants and Van Nameu's Excelsior Cabbage Seeds, 85 Dey St., **New York,**

SEND FOR TRADE PRICE LIST.

McKELLAR & WINTERSON,

Fall Bulbs Of All Kinds

Write for quotations on your wants now. Should you not receive our list, notify us and same will be mailed.

FULL LINE OF ALL

Florists' Supplies, Cut Flowers, Etc.

McKELLAR & WINTERSON, 45-47-49 Wabash Ave., CHICAGO, ILL.

SELECTED STOCK OF

LILIUM HARRISII

	Per 100	Per 1000
5-7..	$5 00	$45.00
7-9..	10.00	90.00
9-11..	20 00	

Roman Hyacinths, Paper White Grandiflora, etc. Write for prices.

AUGUST RÖLKER & SONS, 52 DEY STREET, - NEW YORK.

Zirngiebel Giant PANSIES

MARKET and FANCY STRAINS.

Are unexcelled as yet, for size and brilliancy of colors, and are the most popular strains to date. New colors continually added every season.

NEW CROP SEED READY NOW.

Trade packages of either strain, at $1 00 each. Full directions, how to sow and cultivate, with every package.

DENYS ZIRNGIEBEL,

NEEDHAM, MASS.

PALM Seed.

FRESH ON HAND

	100	1000	3000
Phœnix tenuis..	$.75	$5 00	$13 50
" pumila	1.00	8.00	22.50
" reclinata.....	.75	5.00	13.50
Corypha australis.....	.75	5.00	13.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

BOBBINK & ATKINS,

Repreeentativee of the following Europeen Houees:

The Horticultural Co., Rooskoop, Holland, H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs.

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Snoeck Bros., Gendbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

JUST ARRIVED

Fresh Seeds

—OF—

	Per 1000 Seeds
KENTIA BELMOREANA..	$4.00
KENTIA FORSTERIANA...	$4.00

WHILE UNSOLD.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention American Florist.



FREESIAS...

Very choice well cured bulbs of TRUE REFRACTA ALBA from our own grower. Yellow flowers have been carefully rouged out of the stock.

	Per 1000
CHOICE SIZE..	$7.50
FIRST QUALITY	$6.50

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph St.

NEW YORK: 14 Barclay St.

CARNATION CUTTINGS
ALL SOLD.

ASPARAGUS SPRENGERII, in 3, 4 and 6-in. pots. BABY PRIMROSE, 4-in. pots. DRACÆNA INDIVISA, 5 and 6-in. pots. Liberal discounts for liberal orders. All shipments will be well packed. We will endeavor to please you. Send in your orders early. Write us your wants; we can supply them.

We are now booking orders for fall delivery; fine plants from the field. Guaranteed strong, vigorous plants free from disease, of all leading varieties.

WRITE US YOUR WANTS.

LAKE VIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms,
JAMESTOWN, N. Y.

LIBERTY. LIBERTY. LIBERTY.

Place your order now and be sure of getting the best stock. Delivery begins March 20th, 1900. All orders filled strictly in rotation. Satisfactory reference or cash deposit from all unknown correspondents. Prices as follows:

OWN ROOTED PLANTS FROM 2½-IN. POTS.

50 plants and over and less than 100 $0 50 each
100 " " up to 1000 25 "
1000 " " over 200.00 per 1000
3-in. pot plants, 5c. each additional.

GRAFTED PLANTS FROM 2½-IN. POTS.

50 plants or more and less than 100 $0 50 each
100 " and up to 1000 40 "
1000 " or more 350 00 per 1000
3-in. pot plants 5c each additional.

F. R. PIERSON CO. Eastern Agent, Tarrytown-on-Hudson, N. Y.

ERNST G. ASMUS, West, Hoboken, N. J.

VAUGHAN'S SEED STORE, Western Agent, 84 and 86 Randolph St., Chicago.

Please mention American Florist when writing.

FINE, STRONG
ROSE PLANTS

1000 MRS. GARRETT,
550 BRIDESMAID,
50 BRIDES,
425 NIPHETOS,
700 CUSIN,
875 METEOR,
550 PERLES,

The above were grown for our own use and are in the best condition for planting.

WRITE FOR PRICES.

J. M. GASSER, Wholesale Grower of CUT FLOWERS.....
Euclid Ave., Cleveland, O.

ROSES

		Per 100
BRIDESMAID	2½-in. pots,	$2.50
"	4-in. pots.	4.00
BRIDE	2½-in. pots,	3.00
"	4 "	5.00
GOLDEN GATE	2½ "	3.00

REINBERG BROS.,
51 Wabash Ave., CHICAGO.

OUR ROSES are out of sight, big, strong, bushy plants, selected and grown expressly for our own planting: a few thousand to spare from 3½ and 4-in. pots, at $5 per 100—Brides, Meteors, Maids and La France.
Kaiserin, extra select, 3½-in., 6c.

FIELD CARNATIONS The kinds we know are good.
PINK—Wm. Scott, Albertini and Rose Queen.
WHITE—Lizzie McGowan and Uncle John.
RED—Emily Pierson. Variegated—Old Glory.
No experiment growing these varieties.
Fine plants, $3.50 per 100. Packed light.

SMILAX, extra strong bushy plants, ready to string right up, at $1 per 100. **LATANIA BORBONICA PALMS** strong, 5-in. pots, $4 doz. Cash with order.

SOUTH SIDE FLORAL CO., Springfield, Ill.

SURPLUS ROSES.

	100.	1000.
Meteor, 3½-in. pots	$4.00	$35.00
Maids, " "	4.00	35.00
Brides, " "	4.00	35.00

All fine stock—grown for own use. Cash with order from unknown parties.

BRANT & NOE,
FOREST GLEN, - ILL.

WE HAVE LEFT THE FOLLOWING
CHOICE ROSE PLANTS

that are as nice as can be grown in every way, which we are anxious to sell at a very low price to make room.

WE GUARANTEE THEM FIRST CLASS IN EVERY RESPECT.

4000 BEAUTIES,	3-in. pots, at 5c.	2300 BRIDES,	3-in. pots, at 4c.
1400 BRIDESMAIDS,	4 " 5c.	500 BRIDES,	2 " 2c.
2000 BRIDESMAIDS,	3 " 3c.	1600 METEORS,	3 " 3c.
6400 BRIDESMAIDS,	2 " 2c.	500 METEORS,	2 " 2c.
700 BRIDES,	4 " 5c.		

All stock is free from disease, strong and healthy. Shipments to be made from our Greenhouses at Hinsdale, Illinois.

BASSETT & WASHBURN, 78 Wabash Ave., Chicago.

FORCING ROSES
In First-Class Condition for Planting Up.

	Per 100
BRIDES 2½-in.	$3.00; 3½-in. $8 00
BRIDESMAIDS 2½-in.	3.00; 3½-in. 8.00
METEORS 2½-in.	3.00; 3½-in. 8.00
PERLES 2½-in.	3.50; 3½-in. 9.00
MRS. R. GARRETT 2½-in.	4.00; 3½-in. 10.00
PAPA GONTIER 2½ in.	4.00; 3½-in. 10.00
AMERICAN BEAUTY .. 3-in.	8.00; 3½-in. 12.00

2-in. pots, ready for 3-in. at $2.00 per 100.
An assortment of TEAS and HYBRID TEAS as per recent adv. in this paper.

ACALYPHA SANDERI. ORDER NOW.
Strong, 4-inch $20.00 per 100
Strong, 5-inch 35.00 per 100

BABY PRIMROSE (Primula Forbesi).
Strong plants, in bloom, at $1.25 per dozen; $8.00 per 100.

BAY TREES,
In extra fine condition: in Standards and Pyramids, all sizes. Write for prices.

POINSETTIAS, strong, stocky plants, now in 3-inch pots, ready for a shift, per 100, $10 00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
Greenhouses: WESTERN SPRINGS, ILL.

CHEAP== 1,500 ROSES,
VERY STRONG, 3-INCH.

Maids, Brides, Meteors and Perles at $3 00 per 100, $25.00 per 1000 cash. Will exchange for Carnations or 'Mums. American Beauty at $5.00.

ALBERT FUCHS, 2059 N. Halsted St., Chicago

FIRST QUALITY FORCING ROSES!

Perfectly Healthy and Grown Especially for Late Planting.
Only selected growth from flowering shoots used in propagating.

SUNSET, SAFRANO, PRES. CARNOT, KAISERIN, METEOR, MAIDS, WOOTTON, PERLE, MME. HOSTE,
3-inch pots, $7.00 per 100; 4-inch, $10.00 per 100.

400 GRAFTED BRIDESMAIDS, 3 1-2 POTS, $12.00 PER 100.

J. L. DILLON, - - Bloomsburg, Pa.

AMERICAN BEAUTY Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testont, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS **A. S. MacBEAN, Lakewood, N. J.**

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE total acreage of orchards in England in 1898 was 220,220.

S. D. WILLARD, Geneva, N. Y., is introducing the White Imperial currant, a choice table fruit.

PROF. JOHN GIFFORD reports that a million small trees of numberless varieties have been planted recently on the Cornell University tract of 30,000 acres at Axton, N. Y.

ACCORDING to the government crop report, Ohio, Pennsylvania and Indiana are the only states in which the condition of the apple crop is not below the average of the past fifteen years.

H. W. Jenkins, Booneville, Mo., reports that his new Dewey Cling peach stood the winter well and will ripen a fair crop about September 15. The fruit is smooth, round and white. The variety has fruited three years.

ATTORNEY A. B. CHOATE, of Minneapolis, in an address to the Minnesota Horticultural Society, delivered the opinion that, although no state has a statute which attempts to give protection to the originator of a seedling, by common law the originator has the sole ownership in a seedling and the right to prohibit its propagation and sale by others.

Louisville, Ky.

BIG BATCH OF BREEZY PERSONAL JOTTINGS FROM THE BLUE GRASS REGION.—MANY IMPROVEMENTS IN ORDER.—BUILDING AND REBUILDING QUITE THE FAD.—NOTES OF PLEASURE SEEKERS.

C. H. Kunzman, the president of the Society of Kentucky Florists, has been ill but is able to get about again and has gone to Atlantic City and Baltimore with his family for several weeks' outing.

The Anchorage Rose Company is replacing the outside board walls around their greenhouses with concrete walls with an iron pipe set every four feet in the concrete. They grow all their roses for cut flowers in solid beds and the plants are a mass of vigorous young shoots; as every shoot means a bud there will be a fine crop on in a few days.

Chas. Rayner has built a house 20x300 feet which he will devote to carnations.

Geo. Thompson & Sons are growing an increased amount of chrysanthemums and asters for cutting this fall.

Jacob Schultz has had his store redecorated throughout. He and August Baumer will attend the convention at Detroit.

Mrs. C. W. Reimers has returned from an outing at White Sulphur Wells.

Chas. Schluter lost all his glass by hail last spring, with no insurance. He was so discouraged that he thought of discontinuing business but has now taken heart and has replaced the glass in part of his range.

Miss Josie Schuh, the designer for F. Walker & Co., is spending a five weeks' vacation at Waukesha, Wis.

Mrs. Ed. Morat has had a long distance telephone put in her store. Her greenhouses were riddled with hail last spring, causing a great loss of stock.

Fred Haupt and family have returned from their eastern trip.

Geo. Schultz is negotiating for the purchase of twenty acres of ground upon which to build greenhouses for cut flowers exclusively for the wholesale trade.

J. D. Carmody, of Evansville, was a recent visitor and scored the florists here for not taking greater interest in the S. A. F.

The Society of Kentucky Florists will not have a picnic this year.

Nanz & Neuner are rebuilding five houses 20x150. The walls of the houses will be concrete. At the present prices the concrete at 40 cents a barrel is much cheaper than good lumber and of course far more substantial. They think cinders better than stone for this use, employing two parts of cinders to one of concrete. They will heat this range with water under pressure from two tubular boilers.

Jos. Coenen & Co. are rebuilding two houses 20x80.

Wm. Mann has gone to Atlantic City to spend several weeks.

E. G. Reimers and family are away on their annual outing at Green Lake, Wis., and are not to be expected back before the middle of September. Their departure was delayed somewhat this year by the installation of a new heating plant, the work on which Mr. Reimers wished to oversee. H. G. W.

Cleveland.

PITTSBURGERS ARE GIVEN A PASSING WELCOME.—ON TO THE CONVENTION.—LITTLE DOING.—PLANS FOR PLANTING.—CHRYSANTHEMUMS.

Convention talk has been the staple of conversation lately. The Pittsburg delgation, numbering about fifty, arrived here Monday night and were entertained at the Weddell by the local committee. All hands, including the local talent, which made a good crowd, left in high spirits on the Detroit boat after supper.

Those whom circumstances compelled to remain here are left with little to do save hold down their chairs and wonder how the bowlers are coming out.

Asters are beginning to be of better quantity and quality. Among the growers there are preparations with a view to getting in carnations toward the end of the month. Chrysanthemums are in some instances even better than usual. A few growers complain of the condition of their stock, although they usually are not at a loss to know to what cause to attribute it. The trouble is neglect of one detail or another. A.

MOUNDSVILLE, W. VA.—The premium list of the Ohio Valley Agricultural Association is out, with prizes for fruits, flowers, vegetables and ornamental plants, to be competed for September 12-14. S. M. Steele is secretary.



CYPRIPEDIUM
Spectabile and Pubescens
Fine healthy plants; can ship any time; now or in September preferably. Must be ordered now; single crowns or large natural clumps, as desired. The trade supplied in any quantity.
Large assortment of Nursery Stock for fall shipment.
EVERGREEN NURSERY CO.,
STURGEON BAY, WIS.
Former address, Evergreen, Wis.

AUCTION SALE
August 30
....OF....
60,000 Deciduous Trees,
75,000 Evergreen Trees,
ALSO SHRUBBERY and VINES.
This is a clearing out sale of fine, young vigorous stock; nothing reserved.
Ground must be cleared regardless of price.
Sale begins 10:30 a. m., rain or shine.
SEND FOR LIST.
C. RIBSAM & SON
TRENTON, N. J.

HARDY SHRUBS.
Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.
SAMUEL C. MOON Morrisville, Bucks Co., Pa

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

HEADQUARTERS FOR
HARDY ROSES.
We are now booking orders for Roses in large lots at REDUCED PRICES. Write for particulars.....
W. & T. SMITH CO., Geneva, N. Y.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS A SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

HOME OF CHOICE TREES
and Hardy Plants.
SPECIALTIES { Azalea Amœna, Rhododendrons. Kalmias, Blue Spruce.
NEW INTRODUCTIONS OF HARDY PERENNIALS.
NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. Catalogue free.

NURSERYMEN....
IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.



Choicest Fruit and Ornamental Trees.
Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free.
THE STORRS & HARRISON CO., Painesville, O.

DREER'S SPECIAL OFFER

—OF—

SEASONABLE DECORATIVE PLANTS

Araucarias.

An Immense Stock at Popular Prices.

Excelsa.

4 inch	pots	8	to	10	inches	high	2 to 3	tiers,	60 cents each
5	"	12	"	14	"	"	3	"	$1 00 "
6	"	15	"	18	"	"	3 to 4	"	1 25 "

Excelsa Glauca.

6 inch	pots	12	to	15	inches	high	3	tiers	1 25 "
7	"	15	"	18	"	"	3 to 4	"	1 75 "

Robusta Compacta.

5 inch	pots	6	to	8	inches	high	2 to 3	"	1 25 "
6	"	12			"	"	3	"	1 50 "
7	"	18			"	"	3 to 4	"	2 00 "

Palms.

Areca Lutescens.

			per doz	per 100
2 inch pots	1 plant in a pot	6 to 8 inches high	$ 1 00	$ 7 00
3 " "	1 " "	10 " 12 "	1 25	10 00
4 " "	3 plants "	12 " 15 "	3 00	25 00
5 " "	2 " "	15 " 18 "	5 00	40 00
6 " "	3 " "	28 " 30 "	12 00	

Cocos Weddeliana.

2½ inch	pots	5	to	6	in.	high	$1 00	per doz	$ 8 00	per 100	
3 "	"	10	"	12	"	"	2 00	"	15 00	"	
4 "	"	15	"	18	"	"	3 50	"	25 00	"	

Kentia Belmoreana.

In. pots.	No. of leaves.	Height.	Per doz.	Per 100.
2½	3 to 4	8 inches	$ 2 00	$ 15 00
3	4 " 5	12 "	3 00	25 00
4	5 " 6	15 to 18 "	6 00	50 00
5	5 " 6	22 " 24 "	12 00	
6	6 " 7	28 " 30 "	1 50 each	
7	6 " 7	30 " 36 "	2 00 "	
8	6 " 7	36 "	2 50 "	
9	6 " 7	48 "	5 00 "	
9	6 " 7	54 "	7 50 "	
10	6 " 7	60 "	10 00 "	
12	6 " 7	60 to 72 "	15 00 "	
14	7 " 8	7 to 8 ft.	$25 00, 35 00 to 50 00	"

Kentia Forsteriana.

In. pots.	No. of leaves	Height.	Per doz.	Per 100.
2½	3	8 inches	$ 1 50	$12 00
3	3 to 4	12 "	2 50	20 00
4	4 " 5	15 to 18 "	4 50	35 00
5	5	18 " 24 " (light)	7 50	60 00

Kentia Forsteriana.—Continued.

pots	leaves	Height.	Each.	Per doz.
6	6	26 to 30 inches	$ 1 50	$ 18 00
7	6 to 7	30 " 36 "	2 00	24 00
8	6 " 7	48 "	3 00	
8	6 " 7	48 " 54 "	3 50	
9	6 " 7	54 " 60 "	5 00	
9	6 " 7	60 "	6 00	
9	6 " 7	5 " 6 feet	7 50	
10	6 " 7	6 " 7 "	10 00	
12	6 " 7	6 " 7 "	15 00	
14	7 " 8	7 "	25 00	
16	7 " 10	7 " 10 "	$30 00, $35 00, $75 00, and $100 each.	$50 00.

Latania Borbonica.

Inch pots.	No. of leaves.	Height.	Per doz.	Per 100.
3	4 " 5	10 to 12 inches	$ 1 00	$ 8 00
4	4 " 5	12 " 15 "	2 50	20 00
5	4 " 5	15 " 18 "	5 00	40 00
			Each.	Per doz.
7	6	18 " 24 "	$ 1 00	$12 00
7	6 " 7	24 " 30 "	1 25	15 00
8	6 " 7	28 " 30 "	1 50	18 00
10	7 " 8	36 "	4 00	48 00

Phœnix Rupicola.

A beautiful lot of well developed plants.
6 inch pots, 24 to 30 inches high, $1.50 each.
7 " " 30 inches high, $2.00 to $2.50 each.
2 " " $1.00 per doz.; $8.00 per 100.
3 " " $1.25 " " $10.00 per 100.

Dracænas.

Amabilis.	3 inch	pots.	$3 00	per doz.;	$20 00	per 100.			
"	4 "	"	4 00	" "	30 00	" "			
Imperialis.	3 "	"	3 00	" "	20 00	" "			
"	4 "	"	4 00	" "	30 00	" "			
Terminalis.	2 "	"	1 00	" "	7 00	" "			
"	3 "	"	1 25	" "	10 00	" "			
"	4 "	"	3 00	" "	20 00	" "			

Ficus Elastica.

4 inch pots, 10 to 12 in. high, $4 00 per doz.; $30 00 per 100
6 inch " 24 inches high, $9 00 per doz.; $70 00 per 100.

Pandanus Veitchii.

6 inch pots, 18 to 20 inches high, $1 00 each.

For a Complete List of Palms, Ferns and Other Seasonable Stock, see our Current Wholesale Catalogue.

SEE DREER'S EXHIBIT AT DETROIT CONVENTION

Also Read Advertisement on Third Cover Page of this Issue.

HENRY A. DREER, = **714 Chestnut Street, Philadelphia, Pa.**

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

The Bowling Contest at Detroit.

A meeting of the managers and captains of the florists' bowling clubs was held on the steamer en route to Star Island. This was to straighten out all crooks and curves that seem to encircle contests of this nature. The following cities were represented: Buffalo, New York, Pittsburg, Cleveland, Philadelphia, Detroit, Flatbush, Omaha, Chicago and St. Louis.

The first thing of importance after the election of P. O'Mara, of New York, chairman, and P. J. Hauswirth, of Chicago, secretary, was the adoption of the resolution that a bowler to be eligible must be a member in good standing of the S. A. F. and the local florists' club of the city from which the entry is made and must be identified with the florist business. It was also agreed that Lieut. Newberry, of Detroit, should have charge of the contest and see that it was conducted according to the rules adopted by the American Bowling Congress. Messrs. Holznagle, of Detroit, Wm. Scott, of Buffalo, and John Westcott, of Philadelphia, were named as a board of judges to whom matters in dispute should be referred. It was also agreed that six men should constitute a team and that the names of these together with not more than three substitutes should be handed to the board of judges not later than 12 o'clock of the day before the match. The following clubs contributed $10 each to a fund to be offered for prizes: Omaha, Philadelphia, Flatbush, Cleveland, New York, Buffalo, Chicago and St. Louis. It was agreed to divide fifty per cent of this into prizes for an individual contest of single games for the benefit of those not rolling on any of the teams, the balance to be given $30 to second team in club contest; $20 to third team. If fund was found not to reach $100, the prizes would be made pro rata.

Drawings were then made to determine the order of play in the contest.

Everything passed off very pleasantly, there being no friction of any kind. Just before adjournment it was decided to form a permanent organization to be called the National Florists' Bowling Association. This was done by electing Robert Kift, of Philadelphia, president, P. J. Hauswirth, of Chicago, secretary, J. F. Wilcox, of Omaha, treasurer, which organization will now have charge of bowling and regulate so far as necessary the prizes offered other than those which the local club shall control.

At 10 o'clock Friday morning Lieut. Newberry read the rules governing the contest, cautioning against offensive coaching and defining a foul. John Westcott made a few remarks and Lieut. Newberry was thanked in advance for his services, and the great match was on. The following is the complete score:

PHILADELPHIA.

Players.	1st.	2d.	3d.	Total
Jno. Walker	108	127	153	388
Jno. Westcott	118	161	145	424
Jno. Habermehl	147	145	129	421
Geo. Anderson	151	135	137	426
D. P. Connor	150	165	183	498
Geo. Moss	111	203	156	473
Totals	791	936	903	2630

ST. LOUIS.

Players.	1st.	2d.	3d.	Total
C. C. Sanders	96	124	126	346
C. A. Kuehn	140	109	126	375
J. J. Beneke	154	131	161	446
C. Beyer	152	178	141	471
J. W. Knoz	180	151	164	495
R. Beyer	113	162	154	427
Totals	835	855	872	2562

CHICAGO.

Players.	1st.	2d.	3d.	Total
E. F. Winterson	153	140	137	430
P. J. Hauswirth	111	127	119	357
Jno. Degnan	117	115	156	388
Geo. Stollery	131	208	139	478
Geo. Asmus	116	162	164	442
Fred. Stollery	161	125	157	443
Totals	789	877	872	2538

BUFFALO.

Players.	1st.	2d.	3d.	Total
W. F. Kasting	134	133	118	385
Geo. McClure	131	126	111	368
Wm. Webber	130	149	124	403
W. B. Scott	140	190	177	507
Wm. Scott	166	108	122	396
Phil Scott	169	184	122	475
Totals	870	890	774	2534

NEW YORK.

Players.	1st.	2d.	3d.	Total
A. S. Burns	131	164	97	392
F. L. Atkins	118	120	103	341
J. W. Withers	150	107	153	410
Wm. Plumb	108	143	120	371
Frank Traendly	137	149	140	426
P. O'Mara	158	158	134	450
Totals	802	841	747	2390

DETROIT.

Players.	1st.	2d.	3d.	Total
Frank Holznagle	130	130	156	416
Jno. Dunn	121	130	134	385
Fred. Pantke	180	142	116	438
Robt. Watson	110	93	107	310
Andrew Ferguson	122	140	128	390
Phil. Breitmeyer	122	156	138	416
Totals	785	791	779	2355

PITTSBURG.

Players.	1st.	2d.	3d.	Total
Wm. Lowe	100	119	115	334
L. L. Neff	151	132	108	391
J. Randolph	73	109	107	289
E. C. Ludwig	152	105	126	383
J. W. Ludwig	118	122	104	344
J. B. Murdock	117	159	177	453
Totals	711	746	737	2194

OMAHA.

Players.	1st.	2d.	3d.	Total
J. F. Wilcox	135	114	125	394
J. H. Hadkinson	96	118	124	338
L. C. Chapin	157	128	123	408
J. Hess	104	108	111	323
L. Henderson	140	112	145	397
Geo. Swoboda	102	92	120	314
Totals	734	692	748	2174

CLEVELAND.

Players.	1st.	2d.	3d.	Total
A Graham	104	100	86	290
E. H. Cushman	113	139	98	350
A. Hart	91	108	97	296
C. Graham	124	132	86	342
S. N. Pentecost	133	154	139	426
H. Knoz	142	148	145	435
Totals	707	781	651	2139

FLATBUSH.

Players.	1st.	2d.	3d.	Total
A. Zeller	137	117	112	366
L. Schmutz	90	117	143	350
Dailledouze	102	134	153	389
Wm. H. Siebrecht	88	75	102	265
Dailledouze	111	117	118	346
D. Y. Mellis	98	145	136	379
Totals	626	705	764	2095

During the evening a game was rolled by those not participating in the big contest. The standing was as follows:

F. C. Webber	155	Jas. Hartshorne	117
Theo. Bock	155	J. S. Wilson	117
C. Risch	145	Walter Kreitling	114
E. Nagel	136	John Young	110
D. Macrorie	134	J. A. Peterson	110
Robt. Flowerday	131	E. Schray	105
Geo. Smith	128	C. W. Kuhlert	87
C. C. Pollworth	126	W. A. Kennedy	83
E. W. Guy	126	J. A. Evans	82
Robt. Kift	124	R. F. Tesson	72
W. W. Coles	119		

K.

The Gunners' Contest at Detroit.

The match for the Lockland pitcher and other trophies offered for skill with the gun came off as scheduled at the grounds of the Pastime Gun Club, about a half hour's ride from the center of the city. It was a fine ground with the exception that the gunners had to face a little too much to the west and were bothered somewhat by the sun. There was a crowd of about seventy-five enthusiasts who came along to enjoy the sport and offer encouragement to their favorite shots.

The first contest was at fifteen targets, unknown angles, for three prizes, a cleaning rod, a cigar case and a box of cigars. The following gentlemen scored for these prizes: H. M. Altick, 12; A. B. Cartledge, 12; C. D. Ball, 12; George Anderson, 12; John Burton, 12; W. B. Westcott, 9; Wm. Scott, 7; W. B. Scott, 8; W. Weber, 7; P. Scott, 2; W. K. Harris, 2; Ed. Reid, 8; T. Damerow, 9; W. B. Ague, 11; P. S. Randolph, 7; C. Y. Mellis, 5; W. F. Kasting, 3; H. H. Beard, 14. Mr. Beard was first and the ties for second were shot off at five targets as follows: J. Burton, 2; H. W. Altick, 4; A. B. Cartledge, 5; C. D. Ball, 4; George Anderson, 2. Mr. Cartledge won with five straight and Messrs. Ball and Altick shot off the tie for third prize, Mr. Ball winning with four to his opponent's three.

The team match for the Lockland trophy next took place and proved a very exciting event. It was at twenty-five targets, known angles. Philadelphia entered a straight team from their own club, while Buffalo and Pittsburg were given the privilege of adding a few substitutes from other cities to bring their teams up to the required number. Fifteen of the targets were disposed of first to get a line on the capabilities of the teams. This developed the following result: Buffalo, 50; Philadelphia, 59; Pittsburg, 61. This was close and exciting enough for anybody and sent cold creeps down the backs of at least one of the teams. Philadelphia was first up to break what they could of the remaining ten each and try to overcome the lead of the Pittsburg boys, but at the second try they only succeeded in breaking thirty-eight out of a possible sixty, making their total score ninety-seven. Buffalo then stepped to the traps and added forty points to their previous score, making their total eighty-nine. Pittsburg now came forward with a confident air and, shooting in great form, increased their lead and easily finished first with a total of 103. The score follows:

PHILADELPHIA.		BUFFALO.	
W. K. Harris	18	P. Scott	10
C. D. Ball	21	J. Braik	17
Wm. B. Westcott	15	Wm. Scott	13
Ed. Reid	15	Wm. B. Scott	14
J. Habermehl	10	W. F. Kasting	13
A. B. Cartledge	18	Jno. Smith	22
Total	97	Total	89

PITTSBURG.

P. S. Randolph	14
Wm. Altick	21
W. B. Ague	18
A. Brown	23
F. N. Beard	20
W. Weber	7
Total	103

An individual contest at twenty-five targets, fifteen unknown angles and five pairs of doubles, was then engaged in with the following result: Ed. Reid, 14; A. B. Cartledge, 17; J. Braik, 11; W. K. Harris, 18; W. B. Westcott, 11; C. D. Ball, 17; J. Burton, 19 A. B. Brown, 20; W. B. Ague, 10; P. S Randolph, 12; Wm. Altick, 18; F. N. Beard, 21. Beard was first with 21, Brown second with 20 and J. Burton third with 19. The prizes were a scarf pin, a box of cigars and a Tomlinson cleaner.

K.

OVER 3,000,000 SQUARE FEET OF GLASS HEATED WITH FURMAN BOILERS

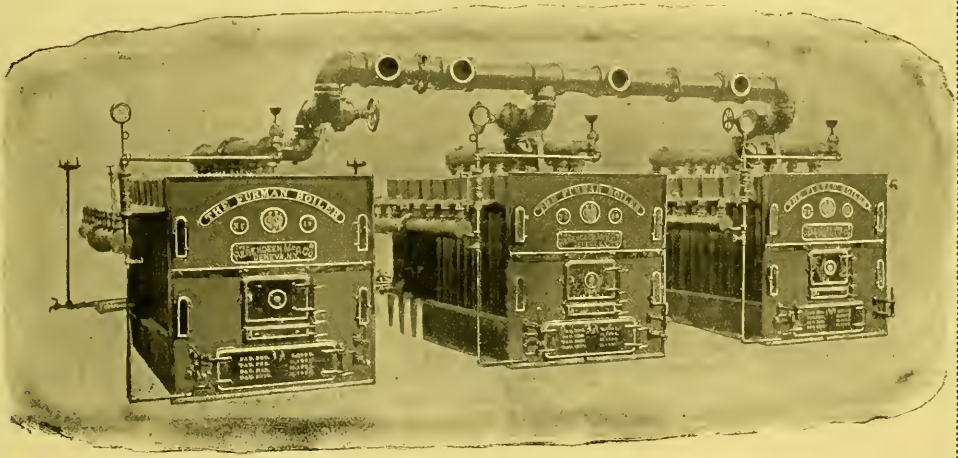
Made in over 150 Sizes and Styles for Steam or Water with Capacity from 200 to 20,000 Square Feet Glass.

PORTABLE AND BRICK—SET STYLES. - - - - SURFACE AND MAGAZINE BURNERS.

Write us for Figures and Suggestions.

Our Piping Plans Will Save You Money.

Our Florists' Catalogue (free) will Interest You.



The above cut shows three of our No. 12 Steam Boilers installed in the Greenhouses of R. Vincent & Son, White Marsh, Baltimore Co., Md. (Capable of Carrying 60,000 Feet of Glass.)

A FEW EXTRACTS OF LETTERS FROM PROMINENT FLORISTS.

Wm. F. Gude, President Society American Florists, Washington, D. C.

For many years I have used the Furman Boilers, and shall always be pleased to speak a word in favor of vertical circulation and screw joints, as embodied in your Furman.

E. B. Clapp, South Boston, Mass.

It is with great pleasure I recommend your Furman Boiler. I have had your No. 7 in use for several winters and find it heats my houses in first-class style.

S. J. Reuter, Westerly, R. I.

Your No. 10 Steam Boiler is heating over 30,000 square feet of glass (or twice as much as your catalogue rating), and does not require one-half as much attention as some of the wrought iron tubular boilers which are heating other sections. I am so well pleased with your boilers that I give you an order for two No. 12 steam boilers. At all times I am ready to speak a good word for the Furman.

Anson Wheeler, Concord Junction, Mass.

Am now heating four houses (24,000 square feet of glass) with two of your Furman boilers to my perfect satisfaction.

Allen B. Wells, Saratoga Springs, N. Y.

Last Winter the thermometer went 37 degrees below zero, and your No. 7 boiler kept my four greenhouses (roofs alone containing 6,200 feet of glass), on only 20 tons of hard coal. It gives complete satisfaction.

H. J. Whittemore, Winchendon, Mass.

I thoroughly endorse and recommend The Herendeen Mfg. Co. for boilers, fittings and advice.

Wm. Nicholson, Framingham, Mass.

It gives me great pleasure to speak a good word for the four Furman Boilers I have in use. The No. 8 heats 10,000 feet of glass, has been running 9 years and only cost for repairs the price of two new grate bars.

Rhode Island Greenhouses, Pawtucket, R. I.

I want you to know my entire satisfaction with the two No. 12 Furman Boilers you installed for us. These boilers replaced three vertical boilers. In five months we have saved 23 tons of coal and the expense of an extra fireman. Your boilers far surpass any boilers that have ever come under my notice.

Address **The Herendeen Manufacturing Co.,**

Home Office and Works, 50-60 Vine Street,
GENEVA, N. Y.

Branch Offices. { Boston, 120 High Street.
New York, 39 Cortlandt Street.

Cincinnati.

BUSINESS QUIET.—MONTHLY MEETING OF THE CLUB.—OUTING AT THE MURPHYS'. —MANY CARNATIONS.

Business remains very quiet and affords very little of interest to write about. Funeral work alone prevents utter stagnation. Weather conditions continue favorable for outdoor stock. White carnations have been somewhat short the past week but colored ones are plentiful. The supply of asters continues to increase and prices have dropped considerably.

The monthly meeting of the Cincinnati Florists' Society was held August 10 at President Wm. Murphy's place, twenty members being present. A committee was appointed to secure subscriptions from the standholders at the Sixth street flower market, the fund thus raised to be used to conduct the monthly shows during the winter. Two new names were proposed for membership. After the meeting adjourned Messrs. W. and C. C. Murphy escorted the boys over to Beachwood to inspect the carnation fields, and every one present wondered what they will do with all the plants; 300,000, Mr. Murphy tells me, were planted out in spring among the Murphys. The plants in general are looking healthy. The ladies provided an elegant spread while the Beechwood band furnished delightful music. E. G. Hill, of Richmond, attended the meeting; also Frances Pentland, of Lockland, and W. Pfeifer, gardener at the Longview asylum. H. SCHWARZ.

AURORA, ILL.—Frank Sahan, who has been with Jos. M. Smely, has gone to Omaha to return to the employ of Hess & Swoboda The season at the Smely establishment has been the largest in the history of the place.

	100	1000
FREESIA REFRACTA ALBA. TRUE WHITE, large bulbs....	$.75	$6.50
FREESIA, pure white, yel. throat	.60	4.75
" " ⅜ to ½-inch	.40	3.00

Price includes delivery on Freesias.
LIL. HARRISII, EXTRA FINE, 5 to 7-inch 4.50
CALLA AETHIOPICA, 3-7 in. circ. Write for prices. Send for NEW TRADE LIST.
H. H. BERGER & CO., 47 Barclay St., New York. Established 1878.

MANETTI STOCKS!
English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.
HARRY A. BUNYARD.
42 W. 28th St., - NEW YORK CITY.

WE ARE NOW CUTTING NEW
Brides, Maids and Beauties, also fine lot of Asters.
Still a few BRIDES, WOOTTONS, BEAUTIES; also SMILAX PLANTS. Write.
GEO. A. KUHL, Pekin, Ill.

Finest Forcing Roses 2¼-in. Per 100 3½-in. Per 100
BRIDE..... $2.50 $4.00
Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2¼-inch pots, at low prices.
Send for prices. Cash with order.
SMILAX, fine young plants, $12.00 per 1000.
THE NATIONAL PLANT CO., Dayton, O.

ROSES. ROSES.
Maids, Brides, Wootons and Kaiserins, 3-in., fine stock, $5.00 per 100; $45.00 per 1000.
Maids, Brides, Wootons and Meteors, 2 and 2½-in., $3.00 per 100; $25.00 per 1000.
Robert F. Tesson, West Forest Park, ...ST. LOUIS, MO.

YOU MAY NEED... CARNATION PLANTS
this fall. If such is the case we will be pleased to hear from you. We have over 25,000 plants to select from. Flora Hill, Jubilee, Bon Ton, Victor and Empress, $6 and $8 per 100; $50 and $70 per M. Daybreak, $5 and $7 per 100. Lizzie McGowan, $4 per 100; $30 per M. Gold Nugget and Evanston, $10 per 100; and SANDUSKY, which you surely want to give a trial this winter, if you want large quantities of early, large and beautiful variegated flowers that will sell at sight to your customers. Nice, large plants from field, $10 per 100, $80 per M.
1899 NOVELTIES—Melba, America, G. H. Crane, Gen. Gomez, Gen Maceo and Gov. Griggs—$2 per dozen, $15 per 100.
Also have a few hundred of the BABY PRIMROSE of true stock from 2 and 2½-in. pots, @ 75 cts. and $1.00 per doz; $5 and $7 per 100.....
W. E. HALL, Clyde, Ohio.

CINERARIA — Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.
CYCLAMEN — Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.
PRIMULA — Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.
PANSY — Rolker's Giant, $5.00 oz.; ⅛ oz. 90c. Trade pkt., 25c.
AUGUST RÖLKER & SONS, 52 Dey St., New York.

Field Grown CARNATION PLANTS
Orders booked now for strong, healthy plants of the following varieties:
500 FLORA HILL 1000 SILVER SPRAY
500 McGOWAN 1000 IVORY
500 GOLDFINCH 500 ELDORADO
1000 EMILY PIERSON 500 MORELLO
If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....
CHAS. CHADWICK,
LOCK BOX 11, GRAND RAPIDS, MICH.

WHO HIT BILLY PATTERSON?
Yes, who did? Well, we must confess that we can't tell you, and if we could it would do you no good
THE BURNING QUESTION of the day, however, is "who has the best Violet Plants for the least money?" We now have in stock, ready for immediate shipment 10,000 Princess of Wales from 2½-in. pots, $20.00 per 1000.
TO RELIABLE PARTIES we do not require one cent until they receive plants.
THE VIRGINIA FLORAL CO.,
C. & O. R. R. Lindsay, Va.

SMILAX.
To close out at once—need the room—5000 extra strong, 2½-in. pots, $1.75 per 100; $15 per 1000. Cash with order. Sample if desired.....
H. P. OWEN,
Central Valley Greenhouses. Toughkenamon, Pa.

SURPLUS CARNATIONS!
Strong, Field-grown Plants.
1500 F. HILL, 800 DAYBREAK,
800 TRIUMPH, 600 JUBILEE,
200 WHITE CLOUD, 200 SCOTT,
150 ARMAZINDY, ...$5.00 per 100.
Cash with order. W. SABRANSKY, Kenton, O.

Orchids!
ARRIVED IN FINE CONDITION. *Cattleya labiata*, C. Mossiæ, C. Speciosissima, C. Harrisoniæ violacea, C. Warneri, C. granulosa, Lælia anceps, L. a. alba, L. autumnalis, L. Pretans, L. Dayana and Burlingtonia fragrans.
LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

FIELD-GROWN Carnation Plants.
10,000 READY NOW.
New and Standard varieties, $4.00 to $10.00 per 100. Write me your wants.
CARL HAGENBURGER, West Mentor, Ohio.
Mention American Florist.

FIELD-GROWN
Carnations!
...SEPTEMBER DELIVERY AND LATER.
We have a very large stock, including
G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN
in good, healthy condition. Send for price list.
F. Dorner & Sons Co., La Fayette, Ind.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.
Geo. Hancock & Son, Grand Haven, Mich.

It may be premature to talk
FIELD CARNATIONS!
Nevertheless I wish to remind you that it will pay you to correspond with me if in want of Standards or Novelties. Letters of inquiry cheerfully answered.
S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.

Seedling Carnation Plants
Now too large to mail. Extras added to cover expressage. Price, $4 00 per 100. Two sample plants sent by mail for 10c.
TRY FOR THE $50.00 PRIZE.
American Rose Co., Washington, D. C.

CHOICE STOCK.
We have 4000 3-in. BRIDES, MAIDS and METEORS in finest possible condition to plant, and a few hundred 2¼-in. All go at 30 per cent. discount, to make room.
Write for figures. They are worth twice the prices we are making.
W. H. GULLETT & SONS, Lincoln, Ill.

CHICAGO CARNATION CO.
Exclusive Carnation Growers.
Cut Blooms and Rooted Cuttings.
Correspondence Solicited.
GREENHOUSES AND ADDRESS
JOLIET, ILL.

THE BOSTON FERN A Specialty.
$5.00 per 100; $40.00 per 1000. Orders filled in rotation as ready.
L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Do not hide your light under a bushel. Tell the people what you have for sale.

A NEW DECORATIVE PLANT.

Cryptomeria Japonica. Japan Cedar.

A dainty jardiniere evergreen often mistaken at first sight for Araucaria excelsa; as handsome as the latter, BUT not so stiff and formal; much better adapted to the trying atmosphere of living rooms, much more easily grown and ten times cheaper. 4-inch pots, $15 per 100; 2½-inch pots, $9 per 100 25 2½-in. for $2.50 postpaid.

ASPARAGUS SPRENGERII, 4-inch pots, $9 per 100. 2½-inch, $5 per 100.

Jackson & Perkins Co., Newark, Yew York.

PRIMROSE

	Per 100.
CHINESE PRIMROSES, single, mixed, 2-in. pots,	$2.00
Obconica Grandiflora, 2 in. pots	2 50
" " Rosea	3.00
Forbesi, "Baby Primrose," 2-in. pots	4.00
ASPARAGUS SPRENGERII, 2½-in. pots	4.00
CINERARIAS, 2-in. pots, Sept. 1	2.00
CARNATIONS, field grown	4.00
PANSY SEED. Benary's ne plus ultra oz., $4.00; none better	

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Deleware, O.

ROSES Fine forcing Roses for immediate planting, strictly first-class stock from 3-inch pots, at $3.50 per 100.

250 BRIDES, 200 LA FRANCE,
250 BRIDESMAIDS, 150 PERLES.

Also 2000 ASPARAGUS PLUMOSUS, 2½-inch pots, $3.00 per 100.

CARNATIONS Large, healthy, field-grown plants, ready for shipment Sept. 1st and later. Now booking orders for the following vars.

Lizzie McGowan, Tidal Wave,
Wm. Scott, Hinze's White,
Daybreak, Mme. Albertini,
Helen Keller, Eldorado,
Emily Pierson, Charm, Buttercup.

300 Swainsonia Alba, 2½-inch pots, $3.00 per 100.

W. C. BRYFOGLE, Bloomsburg, Pa.

Ferns

An extra fine lot of best varieties for dishes, 2-inch, $3.00 per 100; $25.00 per 1000.

CYPERUS ALTERNIFOLIUS

2-inch, fine, at $2.00 per 100.

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER,
....NEWARK, OHIO.

Azaleas, Bay Trees, Palms, Araucarias,

Stock enormous, quality the finest.

SANDER, Bruges, Belgium.
AGENT: A. DIMMOCK,
60 Vesey Street, - - - NEW YORK.

Crabb & Hunter,

VIOLET SPECIALISTS,

Orders booked now for field-grown plants. Write for prices. **Bridesmaids:** a few hundred fine plants cheap, 4-in. pots, $8 per 100. Who wants 'em? **Smilax** from 2½-in. pots, good bush plants, $1.25 per 100.

Grand Rapids, Mich.

PALMS.

FERNS. STOVE AND GREENHOUSE PLANTS

An Invitation To Visitors To and From the Convention.

WE EXTEND to one and all a cordial invitation to visit the Rose Hill Nurseries and see the grandest and handsomest stock of home-grown PALMS in America in all sizes and of all varieties, also of Ferns, Stove and Greenhouse plants. Before placing your orders, all we ask is, to visit our Nurseries (and you will do the rest).

Trains every hour from Grand Central Depot.

Write, Telephone or Telegraph and our carriage will meet you.

SIEBRECHT & SON,

Telephone 151. NEW ROCHELLE, N. Y.

Everything For the Grower and Retailer.

CHRYSANTHEMUMS!

NOW is the best time to plant for late flowers. Our stock is in fine thrifty condition and of recent propagation. It includes all the leading standard sorts, also some of the newer varieties.

2¼-inch pots, $2.50 per 100; $20.00 per 1000. 250 at 1000 rates. Our selection.

Nathan Smith & Son.,
ADRAIN, MICH.

PANSIES THE JENNINGS STRAIN

are considered by many florists as the finest American strain to date. Large flowering and most brilliant colors in great variety.

NEW CROP NOW READY.

Finest mixed—pkt., $1.00; ⅛ oz., $3 00; 1 oz., $5 00.
Finest white—blue, black and yellow in separate colors, 50 cts. per pkt.
Plants ready in any quantity Sept. 1st, '99.

CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

SEED. PANSIES. SEED.

Roemer's Superb Prize Pansies, improved strain, new crop, ready now (my own growing). This mixture is saved from the very finest selected plants of all leading novelties; without doubt the finest strain in the market to-day. Mixed, per pkt of 3000 seeds, $1.00; ¼ oz., $1.50; ½ oz., $2.75; 1 oz., $5.00; white, yellow, black and violet blue in separate colors, same price.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of extra fine pansies; plants ready Sept. 15th.

..NOTICE..

A Good Investment!

Fine, Clean Stock!

Latania Borbonica.

Inch pot's.	No. of Leaves.	Height.	Per Doz.	Per 100
3	4 to 5	10 to 12 inches	$1 00	$ 8.00
4	4 to 5	12 to 15 inches	2.50	20.00
5	4 to 5	15 to 18 inches	5.00	40.00
6	4 to 5	18 to 20 inches	6.00	50.00

Phœnix Carnariensis.

4	.24 to 30 inches		35.00
4½	.30 to 36 inches		50 00
5			60 00
6			75.00
7	.40 to 48 inches		100.00

Kentia Belmoreana.

4	5 to 6	15 to 18 inches	6.00	50.00
6	6 to 7	28 to 30 $1 50 ea.	18.00	
5	6 to 6	22 to 24 1.00 ea.	12.00	

Kentia Forsteriana.

4	4 to 5	15 to 18 inches	5.00	40.00
5	5	18 to 20 inches	9.00	75.00
6	5	24 to 28 $1.00 ea.	12.00	

Chamærops Excelsa.

4		25.00
3		15.00
5		35.00

Adiantum Farleyense.

Nice young, thrifty stock for growing on.

3	2.50	20.00
4	5.00	40.00
5	9.00	70.00

Smilax.

Fine plants out of 2-in. pots, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,
THE EXOTIC NURSERIES. Dayton, Ohio.
Mention the American Florist.

...WANTED...

Several thousand Pæony clumps from the field. Write, stating varieties and prices.....

AMERICAN ROSE CO.,
WASHINGTON, D. C.

Santa Monica, Cal.

The success which has attended carnation culture at Redondo has attracted attention to the possibilities of that flower in other localities not hitherto tried. One of the new fields is in South Santa Monica, where E. J. Vawter, Sr., set out about three acres to carnation plants last April. The ground is apparently like the Redondo carnation fields. It is a short distance from the sea and has a slope to landward, where there is ample sun exposure and protection from the breeze. The soil is a loose sandy loam. Plants set out in April are blossoming liberally for so early a date thereafter, and there is a fair prospect for a big yield of blossoms next season. Most of the varieties that have been set out were originated at Redondo. An experiment in the culture of smilax and rare varieties of roses is being made on neighboring grounds.

WOONSOCKET, R. I.—Gilbert A. Aldrich has pulled down the old greenhouse which has stood for forty years at the front of his residence and will build a larger structure.

WATERBURY, CONN.—Chas. Walley & Co. opened a new store at 118 South Main street last week. It is handsomely furnished and a large crowd was present on the opening night.

LENOX, MASS.—J. F. Huss has presented the beautiful specimens of skeletonized leaves, ferns and seed vessels which have adorned his hospitable "den" to the New York Botanical Garden. Mr. Huss, with his wife and little Julius, will sail for Switzerland early in September and the kindest wishes of a host of friends go with them.

Home Again!

from an extended tour through Europe, I find my stock of Palms, Ferns, Dracænas, Pandanus and other foliage plants in better condition than ever, crowding every inch of my greenhouses, and to make room for specimen plants of all kinds, will sell stock at moderate prices.

Do not fail to get some of the truly grand new fern **Washingtoniensis**, of which I have an excellent stock. For descriptions and prices see page 1399 of the AM. FLORIST of June 24.

N. STUDER, Wholesale Florist, Anacostia, D. C.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description).

I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

FOR SALE.
Palms and Decorative Plants

All sizes, and at all seasons.

P. O. Box 78, **A. SCHULTHEIS,**
College Point, Queensborough, NEW YORK, N. Y.

Stock Plants & Pot Plants

	Per 100
COLEUS, 40 varieties, named	$5.00
CARNATIONS, Empress and Psyche	5.00
PETUNIAS, double fringed, 22 varieties, mixed	2½-in., 4.00
" " ruffled, 15 " "	" 3.00
GERANIUMS, Harmine and La Favorite	3-in., 3.00
ALTERNANTHERA, 3 varieties, named	2½-in., 2.00
FERNS—Timber Ferns, dormant, for 6-in. pots	10.00
LATANIA BORBONICA, 30 in. high, 5 leaves	30.00
ASPARAGUS PLUMOSUS	6-in., 25 00
LYCOPODIUM DENT., good for design work	2.00
ADIANTUM CUNEATUM	2½-in., 5 00
" true MAIDENHAIR	" 5.00
NEW YELLOW BABY PRIMROSE	2¼-in., 10.00
NEW GERANIUM, De Roo Mitting	2½-in., 10.00
PRIMULA, Chinese, Alba, Rubra and mixed	2¼-in., per 1000, $18.00; 2.00
" Japonica Alba	2¼-in., 2.00
BEGONIAS, flowering—A. Hunnewell, Mme. Charrat, Red Rubra, White Rubra, Cilbina, Argentea Guttata, M. de Lesseps, Erfordii, Red Vernon, Weltoniensis, Fuchsioides, Albo-picta, Sanguinea, Sandersoni, Hybrida Rosea and Semperflorens Rosea	2¼-in., 2 00
BEGONIA REX	6-in., 15.00
MITTING'S GIANT-FLOWERING PANSY PLANTS	per 1000, 4.00

5 plants at 100 rates (CASH).

YEARLY CAPACITY, 5,000,000 PLANTS.

THE MORRIS FLORAL CO.,
MORRIS, ILL.

CHINESE PRIMROSES.

Ready for 3-in. pots; well known throughout the U. S. and Canada as the finest large flowering fringed varieties grown. SINGLES, named—$2.50 per 100, $20.00 per 1000; DOUBLES, named, $4.00 per 100, $35.00 per 1000. Extra plants added to help pay the expressage.

PRIMROSE SEED of best 13 varieties, single and double, mixed, 400 seeds, $1; half pkt., 50 cts.

....GIANT PANSY SEED.....

The best of mammoth varieties; no finer ever offered; all the seed plants critically selected; Pkt., 3500 seeds, $1.00; half pkt., 50 cts.

A pkt. of the beautiful new Forget-me-not "Jewel" added to every order for seeds.

STRICTLY CASH PRICES.

THE HOME OF PRIMROSES. **JOHN F. RUPP, SHIREMANSTOWN, PA.**

BEGONIAS

Assorted varieties from 2-in. pots, **$2.00 per 100.**

EXTRA STRONG.

GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**

CASH, PLEASE.

Edward B. Jackson,
STAMFORD, CONN.

BABY PRIMROSE,

12 for $1.50, $10.00 per 100 by mail.

ASPARAGUS SPRENGERI,
25 for $1.50 by mail, $4 per 100, express.

ACALYPHA SANDERI,
12 for $3, 100 for $25 by express.

SWEET-SCENTED CALLA,
12 for $1, 100 for $6 by mail.

New YELLOW CALLA Lemon Giant,
Large bulbs, many eyes, $7.50 for 12.

BEGONIAS, Tuberous, $2.50 per 100.

A. BLANC & CO.,
PHILADELPHIA.

BEGONIA SOCOTRANA
BULBS.

Strong.....$3.00 per doz.
Stronger..... 6.00 per doz.

Now is the time to get them and start them to have them in good shape for Christmas.

B. Socotrana is one of the parents of the celebrated B. Glorie de Lorraine.....

EDWIN LONSDALE,

Money order office, Chestnut Hill (Sta. H.) Philadelphia, Pa.

Wyndmoor, Chestnut Hill, PHILA.

EXTRA Fine Stock CHEAP

ASPIDISTRA LURIDA, at 4 cents per leaf.

600 GERANIUMS, in full bloom, 3-inch pots, 3½ cents.

200 DAYBREAK CARNATIONS, at 3 cts.

25 FICUS ELASTICA, 6-inch pots, 24 to 30 inches, 50 cents.

25 PANDANUS VEITCHII, 6-in. pots, $1.

CANNAS, all the leading varieties for fall delivery. Write for prices.

W. W. COLES, Kokomo, Ind.

THERE ARE AS MANY DIFFERENT KINDS OF "JOLLIERS" AS THERE ARE DRUMMERS ON THE ROAD, AND TALK GOES ABOUT PROMPTNESS, ABILITY, PRICES AND QUALITY, UNTIL THE BULBS COME IN; THEN IT'S ANOTHER STORY!! HOW WOULD IT DO, FOR A CHANGE, TO SEND FOR 25 OR 50 SAMPLES OF A KIND OF THE ROMANS, PAPER WHITE NARCISSUS, NAMED AND MIXED HYACINTHS AND TULIPS FROM A COUPLE OF HOUSES AND SEE HOW THE STUFF AND PRICES COMPARE.

Bulbs!

If you have not purchased your supply of FORCING BULBS for the coming season we can

SAVE YOU MONEY on HIGH-GRADE STOCK

Headquarters for—

ROMAN HYACINTHS
CALIFORNIA CALLAS
JAPAN LILIUM LONGIFLORUM
BERMUDA FREESIA ALBA (Pure Strain)
ALL DUTCH BULBS
AZALEAS, ETC., ETC.

Our 10 Acres of CANNAS at Western Springs, Ill., are now at their best and we shall appreciate a visit from you on your way home or before the frost hits them. Ten new ones.



CALIFORNIA GROWN CALLAS.

Carefully cured, with sound center shoots, now ready for shipment from our New York or Chicago stores.

Vaughan's Columbian Cinerarias

This mixture is this year finer and more complete than ever.

This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors.

Columbian Cinerarias. This is the best mixture in existence; per trade pkt., about 1000 seeds, 50c., 3 pkts. for $1.25.

Cineraria Hybrida, large flowering mixed, trade pkt., 25c.

Cineraria Hybrida Nana, large flowering dwarf, mixed trade pkt., 25c.

Cineraria, large flowering double mixed, trade pkt., 50c.

Cineraria, large flowering double white, trade pkt., 50c.

Calceolaria Hybrida. Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties, and we know it will give entire satisfaction. Trade pkt., 1000 seeds, 50c.

Cyclamen, Giant Flowered

Cyclamen Persicum Giganteum S. Indens.

We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors.

	100 seeds.	1000 seeds.
Mont Blanc, pure white	$.75	$5.00
Deep Crimson, very large	.75	5.00
Rosa von Marienthal, pink	.75	5.00
White, Carmine Eye	.75	5.00
Giant Flowered Sorts best mixed, ⅛ oz., $1.50	.50	4.50

PANSIES

Vaughan's "International."

Received the only reward for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you.

Price, per oz., $10.00; ¼oz., $3.00; ⅛oz., $2.50; ⅙oz., $1.50; trade pkt., 50c.

Vaughan's "Giant Mixture."

This mixture is specially made up by us from all the above separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture.

Price, per oz., $4.00; ¼oz., $1.00; ⅛oz., 60c.; trade pkt., 25c.

SPECIAL OFFER. We furnish any five 25c., trade pkts. of Giant Pansies for $1.00.

Vaughan's Premium Pansies Mixed.

Embraces all the varieties of the Fancy German sorts. We have sold this mixture for the past fifteen years and it has given general satisfaction.

Per pkt., 25c.; ½oz., 80c.; ½oz., $3.00; oz., $5.50.

CHICAGO PARKS BEDDING PANSIES, "Choice Mixed"—in many colors. Pkt., 10c.; ½oz., 30c.; oz., $1.00; 4 oz. for $2.00.

Giant White, Giant Yellow, Giant Beaconsfield, Giant Striped, Giant Emperor William, Giant Paris Market.

Each, per trade pkt., 25c.; (any 5 for $1.00) ½ oz., 35c.; oz., $2.00.

Giant Bugnot. Our strain of this is of exceptionally good quality, none better.

Trade pkt., 25c., ⅛ oz., 75c., oz., $5.00.

Gloxinia Hybrida, Vaughan's Mixture.

This mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and includes such new sorts as Emperor William and Frederick, Princess Louise, Defiance, etc., and we know that better seed is not to be had at any price. Trade pkt., 1000 seeds, 50c.; 3 pkts. for $1.25.

Chater's Prize Hollyhocks.

Our seed of this has been saved from the finest and largest double flowers only and will produce flowers extremely double and in the best, brightest and most distinct colors.

Sow now

Double Pure White, ¼ oz., 35c; 1 oz., $1.25; trade pkt., 10c.

Double Yellow, Pink, Purple, Red, Rose, Salmon, Crimson, each, ¼ oz. 35c.; 1 oz., $1.25; trade pkt., 10c.

Chater's Prize Hollyhocks, double mixed, ¼ oz., 35c.; 1 oz., $1.25; trade pkt., 20c.

Double Hollyhocks, good mixed, ¼ oz., 25c.; 1 oz., 85c.; trade pkt., 10c.

Vaughan's International Primula Mixture.

This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. It contains some of the Giant sorts, some Fern-leaved, some blue; also some with dark leaves and stems. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone.

Price for International Mixture,	Pkt. of 350 seeds, 50c	
	5 pkts.,	1750 " $2.00
	Per 1-16 oz.	2.50

Vaughan's Seed Store,

84-86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

Helena, Mont.

Arthur Judges, secretary and treasurer of the State Nursery Company, is expected home from Europe about August 15.

Chas. Horn has completed all necessary overhauling to his houses and is now taking life easy.

The State Nursery Company has completed an addition to their smilax house and look for a good crop for the winter trade.

Mr. and Mrs. Miller, of the Broadwater Greenhouses, enjoyed a few days' fishing recently.

T. E. Mills and family have returned from a ten days' outing on the Big Blackfoot river, fishing and rusticating.

At this date there is no rumor of a special car to the S. A. F. convention. Few of the boys caring to exchange a gold mine for the necessary railroad ticket. M. W.

LANCASTER, PA.—J. P. Siebold has leased two acres of ground on East Chestnut street and erected his range there, adding one house 10x30 for bulbs. His field carnations are fine. Mr. Siebold deals extensively in celery, handling 125,000 stalks per year.

TARRYTOWN, N. Y.—Much interest in the fall flower show to be held under the auspices of the Tarrytown Horticultural Society is being manifested by the wealthy residents of the neighborhood, and several have already offered prizes for exhibits. Lord & Burnham have given $25, to be used as the society decides. Many others have signified their willingness to contribute toward the show and the members expect to raise $500 for prizes.

NOW IS THE TIME TO BUY

Dahlias for Planting

WE OFFER

Largest and Best COLLECTION in AMERICA. 46 First Prizes.

STORM KING Finest snow white show Dahlia. Large, long stems, extremely profuse bloomer. Strong plants ready, 50c. each; $4.00 per dozen; $25.00 per 100.

SURPLUS STOCK.

We grew an immense stock of the new DECORATIVE CACTUS DAHLIAS. Have a few thousand left, finest named varieties, which we will close out at $4.00 per 100; strong field roots.

☞ Send for new illustrated trade list for 1899 and special low prices on mixed Dahlias and Dahlias under color.

W. P. PEACOCK, ATCO, N. J.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.

CARNATIONS, for fall delivery.

CHRYSANTHEMUMS.

SMILAX.

Prices low. Send for list. VIOLETS.

WOOD BROTHERS, FISHKILL, N. Y.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

PARSLEY, strong plants 35c per 100; $2.50 per 1000; if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr. & SON, White Marsh, Md.

SMILAX. Strong one year old plants, 2½ and 3-inch pots. $2 50 per 100, $20 a 1000.

Choice New SMILAX SEED, 25c. per oz., $1 per lb.

PAEONIES for fall planting in choice assortment, $10 per 100.

CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC'R TO N. STEFFENS AND STEFFENS BROS.

MANUFACTURER OF

FLORISTS' WIRE DESIGNS & SUPPLIES

335 EAST 21ST ST. NEW YORK CITY.

M. RICE & CO.,

EXCLUSIVE IMPORTERS AND MANUFACTURERS OF..... **Florists' Supplies.**

New Illustrated Catalogue Free for the Asking. 918 Filbert St., PHILADELPHIA

HERR'S PANSIES

A customer who bought 100 last season, writes: "Book my order for 10,000, to be delivered Oct. 1st, if as good as last season.....

PLANTS ONLY. Price...

Free by mail at 75c. per 100; 250 for $1.50; 500 for $2.50. By Express, $1 per 1000.

ALBERT M. HERR, LANCASTER, PA.

VIOLETS, 'MUMS, ROSES. Etc.

M. Louise, Campbell and California Violets, fine plants, $2.50 per 100, $20.00 per 1000.

'Mums. Ivory and other good varieties, same prices.

Roses, Meteors, Maids, Perles, Brides and Souperts, good stock, 3-in., $4.00 per 100; 4-in., $5.00.

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Strong, field-grown plants, not a spot of disease on them, $4.00 per 100; $35.00 per 1000. Sample by mail, 10 cts. Cash with order. 5 per cent. discount on all orders before September 1st.

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E. G. HILL & CO.

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HARDY PINKS HER MAJESTY, SOUV. DE SALE, GERTRUDE, LAURA WILMER, ALBA FIMBRIATA, 2½ inch, $4.00 per hundred.

VIOLETS: Marie Louise, Russian, Swanley White, Shoubrun, 2½-in. $3.00 per hundred.

The Conard & Jones Co., West Grove, Pa.

GERANIUM AMERICA

is in full bloom just now; color effect in full sun is of deepest clear rose. Sun proof, you bet; dwarf, yes, very dwarf.

READY NEXT SPRING. HENRY EICHHOLZ, Florist, WAYNESBORO, PA.

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Standard varieties nearly sold out. See AMERICAN FLORIST of July 20th for novelties.....

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MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $5.00.

Script Letters, $4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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H. BAYERSDORFER & CO.

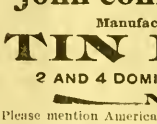
Cycas Wreaths, Moss Wreaths, Fernarias and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. ☞ For the trade only.

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50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

Meyer Green Silkaline for tying bouquets and stringing Smilax and Asparagus. Can also be had in colors to match the natural flower shades. Send for samples and prices.



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Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,

New York.

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CYCLAMEN, PRIMULAS, CINERARIAS.

FINEST STRAIN IN THE WORLD.

Cyclamen Persicum Splendens (gig) in four assorted colors, fine plants from 3-inch pots, 18.00 per 100; $75.00 per 500.

Chinese Primroses (fringed foliage), best market varieties, single, from flats, $2 00 per 100; from 2-in. pots, $2.50 per 100. Double white and red from 2½-in pots, $4.00 per 100; single blue, same price.

Cineraria Hyb. Maxima, grandiflora and nana, from flats, $1.75 per 100. SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

Florists' Supplies AT HALF PRICE!

Write for our Catalogue No. 47, quoting low prices on

LUMBER - GLASS - PIPE - WIRE - HOSE
BOILERS - PAINT - ROOFING
and Supplies of all kinds.

WE HAVE ON HAND at all times **BOILER TUBES OR FLUES** of a second-hand nature, which we guarantee in first-class condition. They are used extensively by **Greenhousemen as Mains for Hot Water Heating** and for sundry other purposes.

Write for Quotations.

CHICAGO HOUSE WRECKING CO.,

West 35th and Iron Sts.,

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HALF TONES
ZINC ETCHINGS
WOOD CUTS
ELECTROTYPES

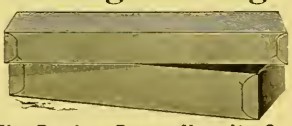
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HIGH GRADE WORK.
PROMPT SERVICE.

THE Regan Printing House
NURSERY SEED FLORISTS **CATALOGUES**
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CHICAGO.

Catalogue Illustrations.
We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....
THE AMERICAN FLORIST CO.,
324 Dearborn St., Chicago.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

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The Dayton Paper Novelty Co.,
DAYTON, OHIO.

MASTICA

FOR GLAZING GREENHOUSES.

Proven superior to putty. Easier to apply and stays on. Not affected by extremes of weather. Endorsed by prominent florists. If not on sale by your dealer send for descriptive circular of **Mastica and Mastica Glazing Machines**, to

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The.....
American Florist
IS PAID FOR CIRCULATED AND READ.

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For Insurance Against Damage by Hail Address
JOHN G. ESLER, - Sec'y F. H. A.
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CAUSPERLEPTHA!

A SURE REMEDY FOR

Carnation Rust, Stem Rot and Black Spot on Roses.

Spray your plants when brought into the house with Causperleptha and get rid of these greatest of evils.

Having discovered and used this preparation for a number of years, I have repeatedly been asked to place it on the market for the benefit of all concerned. It is a sure remedy and has never failed to keep plants clear by constant application. One gallon diluted makes 128 gallons. It is perfectly harmless to plants and gives them a rich, glossy foliage. Directions with every can. **No Florist should be without it.**

PRICE PER GALLON $2.00.
Special Prices on larger quantities.

C. H. RONEY, JAMESTOWN, N. Y.
P. O. Box 230.

GOOD LABELS

YOU WANT THEM
WE MAKE THEM....

Our labels have received the highest praise for being the most even, smooth and best painted on the market.

We manufacture all styles for Florists and Nurserymen, including plain, painted, wired and printed.

An order will prove the above.

Samples and prices on application.

WOODEN GOODS CO., Minneapolis, Minn.
83 Western Avenue.

There are buyers for all kinds of stock advertised in the American Florist

New Haven, Conn.

Trade has been about as usual in early August except that funeral work has been in more demand. Flowers of all varieties seem to be very plentiful but gladioli and asters are in favor.

A. L. Thompson has nearly completed his two new houses, one 10x130 for carnations, and one 8x120 for violets.

Thos. Patterson, of West Haven, has finished a new violet house 10x80.

Recent visitors were A. F. Crawford, Meriden, and Howard Blauveldt, New York. G. H.

ANDOVER, MASS.—P. R. Burtt, of Lowell, will open a store here on September 1.

BOONE, IA.—J. Loehrer, formerly of Davenport, has leased the greenhouses of J. N. Gildea at this place.

NORTH ADAMS, MASS.—A. J. Schmutz has taken the establishment formerly conducted by John Morgan.

WICKFORD, R. I.—The Homogansett Greenhouse Company has opened a store in the basement of the Rockingham Hotel.

GALESBURG, ILL.—I. L. Pillsbury did not have enough violets and carnations last season and is building a new house 10x100 for these flowers.

CARLISLE, PA.—H. W. Lehman has experienced such a rapid increase in business recently that he is preparing to erect two new houses for general stock.

BEAVER, PA.—Thomas M. Fitzgerald has purchased six acres of land upon which he will build a range of houses as soon as the present occupant's lease expires.

"NICOMITE"!

(PATENT.)

Vapor Insecticide.

NO LABOR REQUIRED. HARMLESS TO BLOOM AND FOLIAGE.

A Certain Killer of RED SPIDER, GREENFLY and Other Insect Pests.

THE TOBACCO WAREHOUSING AND TRADING CO.,

Sold by Seedsmen. LOUISVILLE, KY.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN—CIRCULAR FREE—SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the BLOOM Bugs!

QUICKLY DOES IT.



CYCLONE SPRAY PUMP

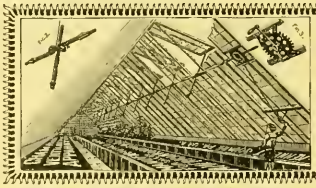
THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen Roosts, etc. All tin, 50c.; all nickelled copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express. STEVENS & CO., 107 Chambers St., N. Y. City

SOLD BY THE SEEDSMEN OF AMERICA

FOR FLORISTS' AND GARDENERS' USE.



GRAPE DUST is excellent to check Spot on Chrysanthemums and Black Fly too; also all sorts of Mildew, etc. It does not stain the plant; is put up 5, 10 and 25 lb. bags, in kegs and barrels. It is extensively used at the present time in the United States.



A GOOD FAULT.

Many users claim that the only fault to be found with the.....

CHAMPION VENTILATING APPARATUS

is that it never wears out and never needs repairs. If you think this is a good fault write for catalogue which tells all about the many good points of the Champion Apparatus. Address

AMERICAN ROAD MACHINE CO.,
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MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
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THOSE RED POTS

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FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,
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STANDARD FLOWER POTS

FIRST QUALITY.		CREAM COLOR.		
1¾ in., per 1000	$2 40	3½ in., per 1000,	$ 4 95	
2 in., "	2 75	4 in., "	6 20	
2½ in., "	3 35	5 in., "	10 80	
3 in., "	4 70	6 in., "	16 50	

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.

Wire Rose Stakes

Straight or Looped and Pointed.

ALSO —

THE MODEL EXTENSION CARNATION SUPPORT.

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MR. THERON PARKER,
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Dear Sir:—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as *good plants* with growers when better known. I consider it the best on the market; and if your other specialties are equally as good, they should make another addition to the money makers of 1900.

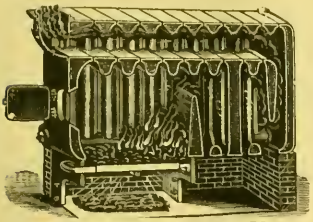
Respectfully,
ALBERT M. HERR.

Samples and Prices on Application to

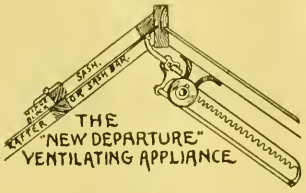
THE MODEL PLANT STAKE CO.
226 North 9th St., BROOKLYN, N. Y.

The Model Rose Stake. Looped and Pointed.

The Model Plant Stake for Lilies and all Pot Plants.



AMERICAN CHAMPION BILER.



Best and Cheapest on Arth.



This iz mi Picter.

Mister Editur:— A lot uv mi frenz hez axed me ef i woz Kummin to the Florists Konvenshun; U Kin bet yer Suspenders ile be thare if i hev tew Sel the baby buggie, But Semanthia jane (thas mi wife) kant Kum Kause She hes gone an got a nu baby, So ile be at the Kamand uv anny uv the ladie Florist what hant got no body tew take Kare uv em. i dont reckon Semanthia ell Keer, if she dont find it out, an i no ul paper chaps dont never menshun sich maters. Yes ile be thair fur i want the Florists tew no me. an even i ante a takin Keer uv the ladys, ile be glad tew tel em awl about mi Kole Savin Bilers, mi Ventilatin Kontrapshin. an show em mi Hinges, al uv which is the best on earth. if any Florist kant Kum there, ile send him mi Kat-a-fog, an it wont be so hard on him. Yours Jo Darmody. Evansville Ind. P.S. close to Posey Kounty



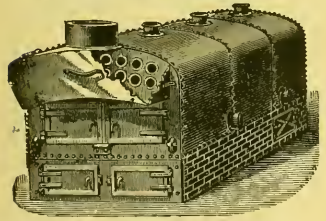
THE EVERLASTIN HINGE.

KROESCHELL BROS. CO.

IMPROVED

Greenhouse * Boiler,

29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around front, sides and back). Write for information.

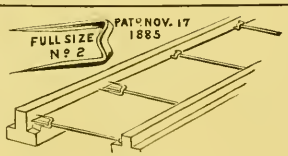
STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate,	$4 88	120 7-in. pots in crate,	$4 20
1500 2¼ " "	5 25	60 8 " "	3 00
1500 2½ " "	6.00	48 9 " "	3 60
1000 3 " "	5 00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4 80
320 5 " "	4 51	12 14 " "	4 80
144 6 " "	3 16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents
52 DEY STREET, NEW YORK CITY.



The VAN REYPER

PERFECT GLAZIERS' POINTS

No rights or lefts. Price per box of 1000 60c.; by mail, 75c.; in lots of 5000 by ex., 55c. per 1000.

HENRY A. DREER,
714 Chestnut Street. PHILA., PA.

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ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

J. G. SWAHN'S SONS, P. O. Box 73, MINNEAPOLIS, MINN.

Standard FLOWER **Pots**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.
Mention the American Florist.

Standard Pots Made by

Good Railroad Facilities For shipping. Special Attention Given to Mail Orders, and Special Sizes Made to Order.

KELLER BROS.
NORRISTOWN, PA.

Price Lists Furnished on Application.



BRANCH WAREHOUSES:
Kearney and Westside Aves., Jersey City, N. J.
Jackson Av. & Pearson St, Long Island City, N. Y.

Please Mention the American Florist.

Baltimore.

Our last club meeting was fairly well attended and the following gentlemen were appointed a committee on special premiums to be offered at the chrysanthemum show: George O. Brown, Robert Graham, John Donn, C. M. Wagner, I. H. Moss, William Christie, M. J. Hanigan, Robert Halliday and Wm. B. Sands. A letter was ordered sent to Richard Vincent, a member of the club and vice-president for the state of the Society of American Florists, as a greeting to the national society. MACK.

NORWALK, O.—J. C. Gooding has severed his connection with the Central Greenhouses.

EAST BRAINTREE, MASS.—John Streiferd has built a new office in connection with his greenhouses.

PATERSON, N. J.—E. McCornac is rebuilding his range, having purchased the interest of his partner.

EDDYSTONE, PA.—It is expected that M. E. Pierce, of Chester, will erect a large greenhouse establishment here.

MCCONNELSVILLE, O.—A. J. Hart reports trade for the year probably twenty-five per cent ahead of the year before.

BUSHNELL, ILL.—Mrs. S. H. Camp's greenhouse, the only one here, is being torn down. She will retire from business.

DECORAH, IA.—Hail on August 11 broke 500 feet of single thick glass and 100 feet of double thick for W. T. Symonds.

ARE YOU Building OR Repairing?

MASTICA, $1.00 per gallon.
LIQUID PUTTY, 25-lb. can $1.50, ready to use.
SCOLLAY PUTTY BULB for applying Mastica or Liquid Putty, 85c.
VAN REYPER'S GLAZING POINTS, per 1000 60c, by mail 75c.
GLASS CUTTERS, steel roller, 15c each
MASTICA GLAZING MACHINE, $1.00 ea

Ellis & Pollworth,
Box 75... MILWAUKEE, WIS.

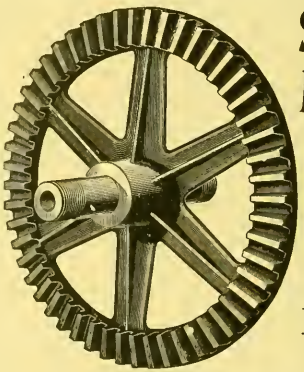
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IS MUCH MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL.
Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.
THE A. T. Stearns Lumber Co.,
Neponset, Boston, Mass.

Clear Cypress Greenhouse Material.

This *with us* means the best growth of Cypress Lumber and the best grade of that growth; and from this grade all the sap—bright sap, which only experts can detect—as well as stained sap, knots and other defects cut out. Others do not equal our quality if they do beat our prices. It is not hard to see the reason: You can not buy gold dollars at fifty cents each. Experienced growers know that the best is not too good and cheapest in the long run.

Write for Circulars or Estimates.

Lockland Lumber Co.,
LOCKLAND, O.



Standard Ventilating Machine.... HAS POSITIVELY NO EQUAL FOR STRENGTH, DURABILITY ...AND NEATNESS.

Guaranteed for 10 years. Has a solid wheel and shaft cast in one (malleable iron). No slipping on Line Shaft as the case with all others. Catalogue free.....

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YOUNGSTOWN, OHIO.

H. M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.
GREENHOUSE GLASS
OUR SPECIALTY.
LARGE STOCK PROMPT SHIPMENT.
ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.
WRITE FOR LATEST PRICES.

WHEELER-STENZEL CO.
IMPORTERS AND JOBBERS OF
Greenhouse Glass
Make your contracts for next season now. We can deliver to any part of the country and Save You Money.....
72 Sudbury St., BOSTON, MASS.

If You Have Stock To Sell...
the best way to make that fact known to the trade is by regular advertising in
Give it a trial. ...The American Florist.

THOS. W. WEATHERED'S SONS,

Horticultural Architects and Builders, Steam and Hot Water Heating Engineers

AND MANUFACTURERS OF GREENHOUSE HEATING AND VENTILATING APPARATUS.

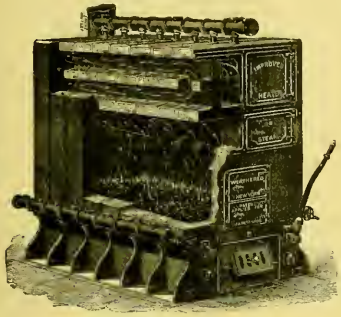
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THE WEATHERED PATENT IMPROVED SECTIONAL BOILER

1899 MODEL,

For Water or Steam Heating.

Absolutely sectional in every part.



Sectional View.

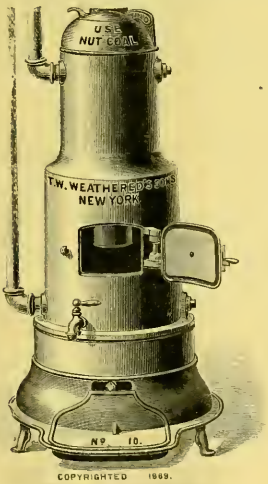
A FEW POINTS CLAIMED FOR THIS BOILER

Simplicity of construction.
Sectional headers.
Sectional ash-pit.
Maximum vertical circulation.
Minimum friction.
Direct or indirect draft.
Smoke box on front or back.
Rapidity of water circulation.
Easily cleaned in every part.
Grates on level with fire door opening.
Greatest amount of boiler surface exposed to radiant heat.
Heating surfaces so arranged in fire box that the hot gases must strike every part before entering combustion chamber.

SELF-FEEDING HOT WATER BOILERS

for small Greenhouses or Conservatories.

TWO SIZES.



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Greenhouses, Conservatories, Etc.

of our Patent Iron Frame Greenhouse Construction erected complete or the material shipped ready for erection.

WINNERS OF THE HIGHEST AWARD

AT THE WORD'S FAIR,
THE DEAN GOLD MEDAL
MADISON SQUARE GARDEN FOR BEST AMATEUR GREENHOUSE.
CERTIFICATE OF MERIT, SOCIETY OF AMERICAN FLORISTS, and the SILVER MEDAL FOR 1898 OF THE N. Y. FLORISTS' CLUB.

REPORT OF JUDGES:

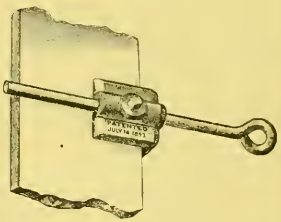
Model of Iron Frame Greenhouse combining many good qualities, and the Committee consider same worthy of special mention. Points awarded:

UTILITY	30
SIMPLICITY	25
DESIRABILITY	20
CHEAPNESS	15
	90

(Signed) JOHN N. MAY, Chairman,
JULIUS ROEHRS,
LAWRENCE HAFNER,
A. S. BURNS,
} Judges.

ADJUSTABLE TRELLIS WIRE SUPPORT.

For attaching to iron rafters and iron purlins to support the wires at intermediate points by trellis eyes. The distance of the wires on the rafters and the distance from the glass can be varied as may be desired without disturbing the wires. Also for hanging Orchids, Plant Baskets, Etc.

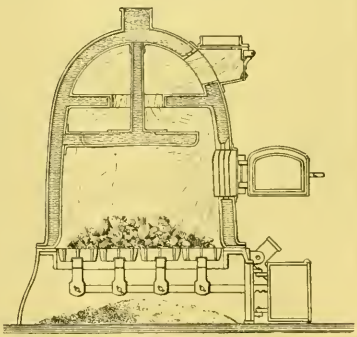


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SEVEN SIZES.

IMPROVED VENTILATING APPARATUS

for raising sashes in greenhouses.



Send four cents for Catalogue Greenhouse Construction or Greenhouse Heating.

THOS. W. WEATHERED'S SONS,

FACTORY, 196 to 240 Orient Ave., JERSEY CITY, N. J.
OFFICE, 46 and 48 Marion St., New Elm St., NEW YORK.

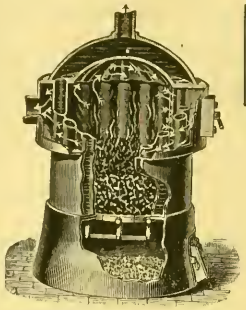
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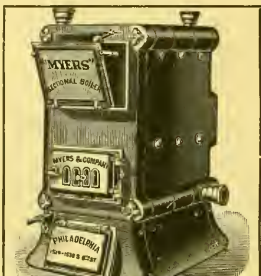
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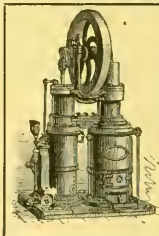
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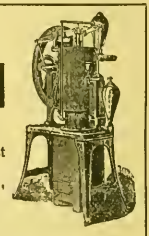


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Officers and Executive Committee of the Society of American Florists, 1899.

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CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at Detroit, Mich., August, 1899. ELMER D. SMITH, Adrian, Mich., Secretary

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BALA, PA.—The County Club is to have a $3,000 greenhouse, 12x230 feet, built by Heacock, of Wyncote.

The Development of Public Patronage in the Flower Trade.

BY JOHN F. SULLIVAN.

[Read at the Detroit Convention of the Society of American Florists.]

All trade, or what we call business success, depends for its existence on that potent force known to the world as public patronage. Practically this generation may be said to have seen its beginning in the horticultural line, for fifty years ago the public was little interested in flowers as a trade commodity.

It is the development of public patronage which I am asked to consider in the paper which I have the honor to read to you. Your committee could easily have chosen some one better fitted to address you on this important theme. I therefore confine my observations to our own times and ask your kindly criticism. An elaborate enlargement of this subject reaches back into ancient history; I am sure it is not expected of me on this occasion.

It is more than probable that the first practical interests in floriculture in this country originated in the catalogue system, and to Peter Henderson and others of his character are we indebted for this great and valuable plan of reaching the multitude. From the small efforts of a generation ago to the present, words cannot express what has been wrought. Our fathers would not have believed it possible. Now millions of flower catalogues go yearly to every city, town and hamlet of our great country, bearing on their pages accurate illustrations and complete descriptions of almost endless varieties of plants with cultural instructions for their successful growth. The firms are legion who have adopted this manner of keeping in touch with the constantly growing and almost universal love of the beautiful.

In no other way, it seems to me, could the great results of the present be accomplished, and yet the catalogue system is as potent to-day as ever, and its far reaching influence widens as the years go by. Nearly every horticultural establishment, small as well as large, is reaching the public in this popular way. How largely, too, are we indebted to those great mediums of modern civilization, the daily press, and other periodicals, which by their illustrations and growing attentions to our business, interesting reports of flower exhibitions, and descriptions of elaborate society events, in evolving floral decorations turn the eyes of all Christendom to the fashion and necessity of using flowers. What an influence has been exerted by the horticultural papers, the calendars, pamphlets, circulars and booklets which every enterprising florist adopts for the advancement of his business.

In late years one of the grandest object lessons has been found in the great flower shows which draw multitudes of people, increase public interest in the study of plants and flowers, and so develop public patronage. Who can estimate, in the great cities, the money value to the florists of these annual and semi-annual displays? Their power is constantly increasing. Look, also, at the influence of the great railroad systems of the country, with their beautiful lawns and carpet bedding, and that unique and delightful idea of bouquets on the dining tabels of the cars, at once appealing to the artistic taste and refined feelings and sense of the traveler and rendering more intense the enjoyment of the very food he assimilates.

What a wonderful development along these lines the past ten years has seen. Who knew the power of these great corporations tor good! Their influence is incalculable! What did the Centennial and the World's Fair not do for horticulture and floriculture? To the utmost parts of the land went the story of the beautiful effects in flowers, and valuable plants and arrangements of nature's glories, that are "the pride of the eye" to millions, to whom the influence of great exhibitions has come.

How much patronage, think you, in the great west was developed by the Omaha exposition of 1898? More by far than you have realized. So will it be in Paris next year and at the Pan-American in 1901. What a glorious power for good in this direction are our great public parks, systems of universal instruction, that speak in no uncertain way as to the elevating power of the beautiful. One need but to visit the lovely gardens of the parks to realize the intensity of interest the flowers create, and the practical desire for home adornment which they foster. Anything that will increase the aggregate of production must increase the patronage of the people. Give the children seeds and give prizes to those who accomplish the best results, as does a well known establishment in Dayton, Ohio. Would that every city in the land had such a noble and liberal power in behalf of floriculture! The patronage of the public would then develop so rapidly that every florist would be satisfied that his was the

greatest and grandest labor of the age as well as the most profitable.

What will not the flora from our new possessions accomplish in this line, creating as it does a desire for novelties and appealing to the enterprise and curiosity of all our great private gardens. What estimate can you form as to the far reaching effect of this new incentive to public patronage! Have you noticed the wide-spread influence of the annual floral parades? From California to Boston, with natural flowers and artificial, not one of these has ever occurred which did not add to the great volume of the one thing needful to our profession—the patronage of the people.

It may not seem right that we encourage rivalry in floral decorations at the great society events, and yet this very rivalry is a wonderful developer. Madam St. John will not be outdone by Lady Vere de Vere, and John Smith, of Chicago, who made his money in pork, will have a finer wedding for his daughter than the Hon. Clare Gilbert, whose son is to wed the heiress of the renowned soap manufacturer, Gustavus Mulcaha. I tell you this potent factor which we call "society" is a power in our behalf. Births, christenings, marriages and funerals are all, of necessity, developers of patronage. But on these points time forbids our dwelling at special length.

Now, how shall the florist himself do his duty in his own behalf? Though much has been done in the past, the present generation is most interested in the development of patronage in the future, and how it shall be increased is the all important question. The grower will continue to exert his greatest efforts to give the flower loving world the very finest flowers and plants his skill and industry can produce, and by thus raising the standard of excellence in his product, he will as a natural and desirable result increase the desire of the people to possess that which appeals in a higher sense to the appreciation of the beautiful.

I have often thought that our clubs should make some effort to, in some practical way, reach the children of our schools. It may entail considerable work and thought to mature a plan that would be practical and acceptable to our school authorities, but as to the ultimate result of such a scheme I have no doubt. Could we not distribute plants and seeds among the school children under some superintendency of their teachers and offer prizes for the successful growers? Some few attempts in a small way in this direction have come to my notice and the reports of the results of the same are more than encouraging to the idea of enlarging and improving the scope of the work. These school children are to be the fathers and mothers of the near future and the beautiful lessons learned and the pure thoughts inspired by their association with, and close interest in plant life, in their school day youth will follow them in their later life, and thus we accomplish in the most certain way the development of public patronage.

On the basis of organized efforts, and applying the axiom "union is strength" we might accomplish much by the activity of our florists' associations, and incidentally, it here occurs to me, the great necessity for every florist in this broad land to belong to the florists' clubs. If, where one lives, there are not enough florists to organize and maintain a club separately of working force, then he should join the club nearest him, and give it his unstinted and cheerful support for no matter in how small a way he may operate, precuniary rewards will surely follow his membership in and hearty co-operation with the organization of which he wisely became a member. These societies—and many of them we already have—can still further exercise their power and influence by applying their energies as a body, and promoting in every way feasible more and more floral exhibitions. They will lend their encouragement, their moral and material support to any and all projects calculated to enhance the interest and command the attention of the public in the cause of floriculture. To accomplish this most effectually, it is necessary to form these close affiliations of florists directed by their united efforts towards the development of public interest in our individual work as exemplified in our great and worthy exhibitions.

But we must bend our greatest energies and efforts to increase our trade individually, which in the aggregate means public patronage, of which this paper purports to treat. The retail dealer whose public life brings him of necessity close to and face to face with his customers and the general public, has



THE LATE HENRI LEVEQUE DE VILMORIN.

the greatest opportunity, and it is within his province more than any one's else to increase the taste and widen the field of usefulness and actual necessity of the commodities in which he deals. For, consider in general, the development of the flower trade in all its various branches has been more than co-incident and parallel to the natural growth of the country and measured by the amount of effort and results in other channels of trade the fact speaks volumes for the inherent love of our people for the beautiful and their keen appreciation of the sweet influence that flowers have upon our lives. The field is still large and the possibilities great for future development.

Now how shall the florist himself do his duty in his own behalf? This is a question of vital importance to us all, for we need public patronage and we must do everything in our power to honorably secure it. While the accession of new patrons and undeveloped avenues for advancement of our business should be eagerly sought and diligently pursued, still we cannot loose sight of the materials at hand to cherish and foster the patronage already secured, as all successful trades must have a normal, substantial and legitimate growth. The increase of trade to a retail florist would be comparatively easy if that alone was desired and if the margin between the cost and selling price was not necessary to our existence and prosperity.

The shrewd and thoughtful florist will make every effort possible to please his customers, will anticipate their possible wants and cater to their whims and desires, for the public is fickle; a little thing developes into a mountain; one mistake may never be remedied, and a customer lost forever. We must recognize and constantly bear in mind the great importance of the gentlemanly and ladylike attention given customers, the cheerful manner we approach and serve them, the faithful performance of our promises in the smallest detail, and after the necessary attention, the importance of a bright, clean and attractive store and the maintainance of every modern facility for transacting business. We will still further make it a real pleasure for the public and our customers to visit and deal with us, to constantly maintain the highest quality of stock and the maximum amount of it and as great a variety as our prospective trade will justify. We will exercise the greatest care in the tasteful, prompt and careful execution of even the smallest orders entrusted to us and encourage by the excellent character of our work in all its branches the appreciative recognition of our patrons, and then, to further consider the elements which contribute so much to our success, I am led to speak of the daily and weekly press, that great and powerful moulder of public opinion and trainer of modern thought, which has been in the past and is yet, greatly neglected by the retail florist.

The utility of this great medium for the advancement of our interests is, of course, hard to estimate correctly, but it is undoubtedly of very great value if employed constantly, intelligently and conscientiously. It is ever ready to receive from the florist, and to convey to the great public in a manner best calculated to catch and hold the attention of the reader, any news that is interesting and valuable, such as the introduction of a new plant and description of its peculiar merits and of notes on the successful growing of popular plants of any and all kinds, of the report and description of new and popular floral designs and its beautiful and pleasant effect in a decoration, calculated either for home adornment or when used for any event of public interest. I have found to my entire satisfaction that in large cities the daily press in not only willing, but is, indeed, eager to obtain from the florist and publish free of charge, any matter pertaining to our business that is instructive and educational in its character to the public, whose patronage we value so highly and which we are striving so hard to secure. In smaller towns I have good reason to believe that the florists there could easily, if they only would, enlist the services of their town paper, either daily or weekly as the case may be, to the purpose and happy result of interesting and properly educating their customers and the general public to very great advantage.

I am prompted to speak at such length upon the subject of the press because of the very wide field it occupies and its great opportunities for either benefit or injury to us. How often do we read in the daily press such absurdities as that of John Jones paying ten thousand dollars for the possession and control of a

blue rose; of the employment of five thousand orchids in a wreath sent to the funeral of some noted person, and of a funeral in mid-winter where among other designs there stood a magnificent cross of hollyhocks ten feet high! It is not hard to understand why the publication of statements of this character is more liable to retard than to increase the public patronage.

But after all, who is not responsible for the existence and perpetuation of those worse than silly references to our noble, elevating and refined calling? It is the florist himself whose apathy in such matters is everywhere apparent; who reads as others do, these wild, ridiculous and nonsensical statements in the press which are uncomplimentary and indeed actually detrimental to his business with real amusement or utter indifference to their ultimate and inevitable effect. In view of the close and careful observations I have made of the work and great possibilities of the press in our behalf, I cannot too strongly urge upon all florists everywhere to realize the importance and wisdom of employing it more generally, for it is, I believe, the mose powerful and readily available single agency existing for the advancement of the florists' business; but you must go to the papers. Don't expect or require them to come to you. You are the most concerned.

Give them the reports of your work and your achievements in your own words; give plants and flowers their proper names and spell them correctly. When called upon for information as to the culture of plants and proper care of them, their history and particular merits, be sure that same is given fully and correctly. Attach the same dignity and importance to it that a lawyer or physician would give to their advice or instruction. By the observance of these suggestions meagerly outlined, and many others from time to time that will occur to us to increase the public patronage, and having thus secured the same, as we surely will, let us strive hard to merit a still further continuance and improvement of it.

But let us get our patronage honorably and it will surely stick and grow with us. Let the spirit of fairness and generosity characterize our dealings, and the stamp of honesty and fidelity to our customers mark plainly every transaction with them. Thus inspiring them with the utmost confidence in us, and the reward will be certain and satisfactory to the intelligent, industrious and conscientious florist.

CHRYSANTHEMUMS.

PLANTS IN POTS.

My plants are nearly in the same condition they were in at this time last year. They may be earlier in bloom, as I left off stopping earlier, though there is nothing certain about this. It is an experiment. I stopped late last season and missed the exhibition by several days. The plants have been in 10-inch pots about six weeks and just now are in condition to take manure water.

What Prof. Britton says in regard to the over-feeding of carnations applies equally to chrysanthemums. Undoubtedly over-feeding restricts root formation. The plants become like a man feeding on the fat of the land without taking excercise, easily falling sick and difficult to cure. We should continually look for active roots and be sure the plants have nearly exhausted the stock of nourishment in the soil before applying stimulating food. I like to see the roots making their way through the holes in the bottom of the pots.

Setting on a clean bench it will do no injury to them to root through, but on a soil bottom, or within easy reach of loam, they might make the most of their feeders there, and suffer when removed; still it is remarkable how much they will endure. I once allowed a plant of Thunberg to stand for two months in one place. At the last minute I decided to stake it out for exhibition and found a mat of roots nearly a yard across. It was carried into the exhibition and stood through as well as the rest.

If space be left for a top dressing of rich soil or manure, now is the time to apply it. I have noticed that finely sifted soil is not as good for a top dressing as coarser stuff. Fine soil is liable to exclude air, which is as essential to the well being of the plants as water; and also, for the same reason, we should see that the drainage does not become choked, in consequence of which the soil will become sour and the roots decay.

I use several changes in my material for making manure water. Soot water and lime water are added occasionally. I don't put the soot or lime in free but drain off the lime water, after being made in a tub; the soot is leached through a bag. Drainings from the cow barn and stable are the best of fertilizers. Occasionally I use a little nitrate of soda or sulphate of ammonia.

Training should commence soon after the shoots lengthen, as they rapidly do when stopping is discontinued. Usually nothing more is done for awhile beyond using old stakes to make a foundation to shape them out. These are to be taken out later and replaced by longer ones when it is seen how tall the plants are likely to grow. The same thing is done when a wire frame is to be used. I gave a full description of my frame last season.

All the change I intend to make in this year's shape is, that rather than have it of the old fashioned bee hive form, I shall make it more globular. I found it hard to get enough material to fill out a wide base. With a globular frame there will be less of this difficult space to fill.

T. D. HATFIELD.



VIBURNUM DILATATUM.

Viburnum Dilatatum.

This is one of the best hardy shrubs for the garden. It grows to but four or five feet in height and is certain to turn out a full display of bloom every year. The variety illustrated is that found in northern Japan. The southern Japanese type is not so hardy and cannot be so fully recommended. The flowers are white, produced in dense corymbs and are followed by an abundance of bright coral red berries in autumn. The foliage is fine and so far has not been troubled with any insect or fungous enemies.

FREMONT, O.—A. S. Horn has completed a new rose house 18x50 and has it planted.

After the Convention.

Our national convention for the year 1899, with its exchange of ideas, renewals of friendships, and many other pleasures, may perhaps be termed the crystal wedding celebration of the union between the oldest profession on earth and the newer idea of organization for mutual benefit. But now that the convention has become a pleasant memory, there will be a return to daily duties and the regular routine of hard work that is so essential to success in our business.

Rapidly growing plants should be spread out as much as the space will permit. Get them sturdy and shapely, well-colored and with perfect foliage, and, whether it be fan palms or Boston ferns, the results will be equally satisfactory, for the plant buying public is becoming a discriminating body and soon learns to know where the best wearing plants may be had. In this connection it may be stated that one hundred well-grown plants from a given space will produce infinitely greater satisfaction and ultimately larger profits than double the number of thin, drawn specimens that have been huddled together.

Pandanus Veitchii is an excellent house plant when properly grown, but when subjected to the two extremes of low potting and high temperature usually fails to give entire satisfaction, and the dealer frequently hears that the plant has turned yellow and rotted off.

From July 1 to the end of October is the season of most rapid growth for the pandanus and during this period they may be shifted along rapidly and will stand liberal feeding also, but when making a shift one should be careful not to pot them too deeply, always keeping the lower leaves above the surface of the soil. If this rule is followed and the plants are given plenty of light and air there will be but little complaint of their rotting off in any well regulated dwelling. The same methods will apply to P. utilis, though I think the latter plant will get along better with a less quantity of water overhead than is given to P. Veitchii.

Ficus tops root very readily when mossed at this season, the roots frequently appearing within two or three weeks from the time of topping if the plants are kept in a rather close and moist house. These tops should be taken off as soon as the roots appear through the moss and, after potting, should be kept in a shaded house for a few days until they become established, after which they will require plenty of light and air to keep the growth short and stocky. It is rather too late to plant ficus outdoors now, but that method is doubtless a good one to follow with earlier lots of young plants, the foliage thus produced being very tough, and the plants may soon be re-established in pots in the fall.

Nephrolepis Bostoniensis makes a wonderful growth when planted out on a bench in rich soil, but where this fern is handled in small lots it may be grown very nicely in pots in the ordinary palm compost and treated the same as a similar lot of latanias or kentias, using a shaded house and giving plenty of water both to root and top. When the selling season approaches and the plants may be becoming rather pot-bound, do not hesitate to give moderate waterings of fertilizer to the Boston ferns, in order that the foliage may retain its naturally rich color, the idea, once prevailing, that ferns in general need little or no fertilizer having been long exploded.

Asparagus Sprengerii will again prove its usefulness during the coming season and, being one of the easiest plants to grow, will doubtless be much in evidence. Such a rapid growing plant naturally uses up an immense amount of nourishment, and, when well rooted, will assimilate frequent applications of liquid manure, while a light and airy house is its proper location.

Seedling palms will also demand attention, where such are grown, and, judging from the quantities of seeds that have been imported of late years, the growers must be becoming very numerous. It is good practice to pot off these seedlings as soon as the first leaf is fully developed, or when the second leaf is just pushing up, using preferably two-inch pots of the deep model, and after potting it is best to keep the seedlings rather close during the day for a time, but also giving some air at night to prevent rotting off. Frequent syringing during the bright weather will encourage the tender young plants to renewed root action, and after this is accomplished much more ventilation may be given. W. H. TAPLIN.

Philadelphia.

THE CONVENTION PRESENTS A PLEASANT RETROSPECT.—STORY OF THE UNBOUNDED HOSPITALITY AND THE HOMEWARD TRIP.—SOCIAL FEATURES A GREAT SUCCESS.—A WORD ABOUT BUSINESS.

The boys are all home, coming in groups of two and three or more, the largest parcel arriving at the terminal at 8 p. m. Monday. These left Detroit at noon Saturday, arriving at Niagara Falls in the evening after a hot and dusty ride. The Canadian country through which the route lay presented a dried up and withered landscape, no rain, we were told, having fallen for weeks. There was a continual line of fires. Dried grass and stubble fields were seen on every hand, either flame-swept or burning. Fences were burned away in whole sections, and nearly every bit of woodland passed was on fire or showed evidences of such destruction. At St. Thomas the spot was pointed out where Jumbo, Barnum's great elephant, was accidently killed by a locomotive. A very pleasant Sunday was spent at Niagara. Monday, one of the hottest days of the season, found the party speeding through the Lehigh valley, arriving home safe and sound but very tired and dusty from head to foot.

Everybody was delighted with the trip and the hospitality of the Detroit brethren. From the time Mayor Maybury extended his kind welcome until Vice-President Breitmeyer shook hands and bid us good bye at the station there was not a dull moment. There were carriage rides, trolley rides, special excursions to parks and other places, notably to J. Breitmeyer & Sons', where all were deeply interested in the foundation walls of at least one of the buildings. A delightful feature was the boat ride and supper, returning from which Brother Sanders, of Chicago, Warren Ewell and Fred. Mathison, of Boston, the Duke of York and others turned back the hands of time and showed that they have not forgotten the songs and scenes of their youth. The triumphal arch came in for its share of commendation, and altogether the Detroit boys were voted a very much alive lot of fellows. How Brother Rackham did hustle! Phil. Breitmeyer, too, was always on hand. Messrs. Beard, Holznagle and Flowerday, and a lot of others, were everywhere trying to add to the comfort of the visitors. Then there was Superintendent Plumber, of Waterworks Park, whose "Welcome S. A. F." in scarlet geraniums was so attractive and who made the party feel so much at home. Owing to the efforts of these gentlemen the social part of the Detroit convention was a great success and the memory of the visit will linger long and happily with the delegates.

Business is about as usual for the season. Stock is improving, roses of first grade now being in good shape and superior in form to those generally seen the latter end of August.

Robt. Scott & Son's driver had a tussel with an automobile a short time ago and came out second best, although the expense was on the other fellow. Beyond a bad scare and a repair bill of $15 the incident is closed. Get ready, however for the "autos"; they are coming.

Visitor: J. S. Matthew, Bingham-ton, N. Y. K.

New York.

BUSINESS CONDITIONS AND PROSPECTS.—A FINE SUMMER CROP OF LILIES.—A. T. BODDINGTON TO BE MARRIED.—INTEREST IN THE CONVENTION OF 1900.

Business is very dead here this week. Last week developed quite a fair demand and some were sanguine enough to regard it as the beginning of a steady fall business, but present conditions show they were mistaken. Two dollars and a half a thousand seems to be the prevailing price for fair average roses at present and even at that they move slowly. Lily of the valley asserted itself last week to the extent of $4 for special stock, but it takes a smart salesman this week to realize half that price on it. The heavy crop of asters is about finished. Instead, a moderate quantity of extra fancy disbudded blooms are being sent in with stems two feet or more in length and these, while well worth $2 a hundred, are not easily placed at that figure, and if the growers get $1 it is about all they can expect. Outdoor carnations, short-stemmed and encumbered with buds, are beginning to show up in quantity at the Thirty-fourth street market and elsewhere, the outside figure being about 25 cents per hundred. Steinhoff is sending to this city from 200 to 250 fine longiflorums daily, averaging two flowers to a stem, which bring all the way from 3 to 8 cents, according to size of sale, customer and other circumstances, the smaller figure predominating. These are apparently from cold storage bulbs and the enterprize displayed in having them in steady supply at this season of the year will scarcely be repaid as it should unless the market stiffens up. Those sent in July found a better outlet, with more regular and satisfactory returns. Indications for the coming month are a heavy crop of about everything, particularly roses, with the weather a strong factor in the case as regards demand and prices. The recent past seasons have shown conclusively that New Yorkers are more and more inclined to keep away from the city and all its frivolities so long as the weather is favorable to rural pastimes.

Friday, August 25, is said to be the day selected by Arthur T. Boddington, of the firm of Clucas & Boddington, as his wedding day. The happy young lady is Miss Lillian De Forrest, of Roselle, N. J., and the ceremony will take place at the home of the bride's parents. Mr. Boddington and his intended wife have the best wishes and congratulations of a host of friends all over the country.

Much interest is manifested on all sides with regard to the next convention of the S. A. F. Unless present indications are

very deceptive there will be the grandest round-up on record of all branchess of the profession at New York, and this is just what the business in New York most needs.

Boston.

GOSSIP OF THE DETROIT TRIP.—ALL PLEASED.—BUSINESS AS IT IS.—SOME SUMMER RESORT TRADE AND OCCASIONAL FUNERAL DEMANDS ARE THE MAINSTAYS.—THE ANNUAL AQUATIC SHOW.—CERTIFICATES AWARDED.—ANNUAL EXHIBITION OF PLANTS AND FLOWERS NEXT WEEK.—VISITORS.

Boston is still living in the convention. Wherever a little group of the "boys" are gathered together the conversation is reminiscent, as the story of the pleasant experiences of the trip and of the convention is told over and over again by the returned travelers or the tale of loneliness during the absence of their fellows is rehearsed by those who were obliged to stay at home. It makes a most interesting narrative, that of the ride through the beautiful mountains and valleys of western Massachusetts, enlivened by the presence of the ladies and robbed of all the ordinary discomforts of travel by the kind dispensations of the weather clerk and the courtesy and foresight of the Fitchburg Railroad people; how we found Lange at Gardner, Bragne at North Adams and Weathered and Manda at Rotterdam Junction and finally the big jolly delegation from Philadelphia at Buffalo, long past the midnight hour. The whole history of the four days stay at Detroit is very interesting to the Boston people, who are delighted at the honor extended in the election of one of their number to the presidency and will give full expression to their appreciation by an unprecedented turn-out next year at New York. The unrivalled "Boston Twins" Mathison and Ewell were in the first party to return, reaching home Saturday evening in best of spirits and without impairment of their avoirdupois by their varied experiences. Others stayed over and spent a couple of days at Niagara Falls and a few are making more extended tours through the west and Canada. Among the latter are Mr. and Mrs. W. W. Edgar, who are not expected home until Saturday. Lawrence Cotter, who was forced, through sudden illness, to abandon the convention trip at the last moment, is now much better and expects to be all right soon.

The almanac, more than the weather, reminds us that the summer is nearly gone and that it will be time to work and time to look for fall business in a few days. The summer has not been different from its immediate predecessors in the extent or character of the flower trade. The sea shore and mountain demand has not been felt much except in the extra fancy lines which at this season of the year are uncertain stock. The remarkable dryness has had an injurious effect on outdoor flowers, asters being of poorer quality on the average than ever before in this market. All lilies as well as hydrangeas and other garden bloom, are in earlier than usual, from the same cause. Outside of funeral work but little is being done by the retail florists as yet. A call at M. H. Norton's, one day this week, after the usual closing hour found that gentleman in shirt sleeves, indulging in the rare luxury of a big funeral order; actually working in August! Crosses, pillows, and other evidences of his skill were perched on all sides and he hasn't gotten over his surprise yet. The wholesalers report almost nothing doing locally. The extra fine grade roses are called for at the summer resorts; the small, short-stemmed cut of Brides and Bridesmaids is well sold if the street boys take it at 50 cents per hundred. As to carnations, there is a good price available for the few good Scotts and Daybreaks that come in. Ordinary white varieties from outdoors bring lower figures, but they are unusually good, for their class.

Saturday, August 19, was prize day for aquatic flowers and asters at Horticultural Hall. Wm. Tricker was present, bringing with him from the Dreer nurseries at Riverton a fine collection of nymphæas, nelumbiums and other aquatic flowers and received first-class certificates for Nymphæa fulva and Nymphæa rubra punctata. J. W. Howard received a first-class certificate for Giant White Comet aster and Aster Daybreak. Other exhibitors in the aster classes were C. H. Souther and N. F. Comley. Mrs. John Jeffries was awarded a certificate for a sport of Nepholepis exaltata and Oakes Ames honorable mention for Cattleya Hardyana. J. Warren Clark, as usual, staged a fine lot of gladioli and E. J. Shaylor showed gladiolus hybrids for which he was awarded a silver medal.

The great annual exhibition of plants and flowers will take place on August 30 and 31. Liberal prizes are offerred for hardy coniferous trees, palms, greenhouse and stove plants, begonias, cannas, dahlias, zinnias and a host of other seasonable plants and flowers, and hothouse grapes.

Visitors in town: Mr. and Mrs. E. A. Seidewitz, Annapolis, Md.; J. R. Fotheringham, Tarrytown, N. Y.

Chicago.

DULLNESS STILL DOMINATES. — STOCK SHOWS SLIGHT IMPROVEMENT.—CARNATIONS BENCHED IN SOME BIG ESTABLISHMENTS.—MANY VISITORS ENROUTE FROM THE CONVENTION.—VACATIONS STILL IN ORDER.

This has been another dull week in cut flower circles but not quite so dull as its predecessor. There has been a slightly better supply of stock, although good Brides and Bridesmaids are still very scarce. Some pretty fair Beauties have been on the market. In carnations no really good flowers have been in, the cut being almost entirely from the plants in the field. The whites have sold promptly. There are still too many asters, although the best stock commands a fair price. It is noted that the demand has been for white and lavender.

Wietor Bros are believers in early planting and were the first in this neighborhood to move their carnations to the field, the first to begin benching and the first to complete that work, although planting fifteen houses is no half-hour's job. The varieties they have planted in are principally Flora Hill, Triumph, Jubilee, Armazindy, Bon Ton, Lizzie McGowan, Evelina and the new Crane and America. The plants are all in fine condition. Over 100,000 remain in the field.

The town was full of conventionites Saturday, Sunday and Monday, and all the week they have been dropping in at the wholesale houses and at the establishments of the growers Vaughan's at Western Springs, Bassett & Washburn's and Prince's at Hinsdale, Reinberg's and Budlong's at Bowmanville, Buettner's at Park Ridge, and Wietor's at Rogers Park have been among those who kept open house for all comers.

The next outing of the Chicago Florists' Club will be on Thursday, August 31, to the establishment of the Chicago Carnation Co., Joliet, Ill. The train leaves the Union depot at 11:45 a. m., arriving at the grounds at 1 o'clock, returning, leave Joliet 6:30, arrive Chicago 7:45. Refreshments will be served in the fine old woods of the Higinbotham place. Ladies are especially invited for this excursion.

At Reinberg's they have twenty-eight houses planted with carnations, including nearly all the varieties now in general cultivation. The stock is in good shape and the monster establishment is getting into its winter form. The brothers have many field plants to dispose of this fall.

Paul Berkowitz, of Bayersdorfer & Co., Philadelphia, has been in town this week. He reports trade good and is much pleased with the results of his efforts at the convention.

J. F. Wilcox and wife, of Council Bluffs, Ia., called at the establishment of the Chicago Carnation Co., Joliet, Ill., as they journeyed homeward from the convention.

C. H. Frey, of Lincoln, Neb., with Mrs. Frey and son, passed through the city last week on their way home from Cape May.

The army worm has invaded the city and is doing much damage to lawns. Paris green and slug shot have been recommended as efficient remedies.

E. E. Pieser went up to the lakes after the convention and is now at Old Mission, Mich. G. E. Pieser will go east upon his return.

George Stollery has received many congratulations this week over his 208 game in the big contest at Detroit. It was the top mark.

C. W. McKellar went to his old home at Chillicothe, Ohio, after the convention for a few days' visit.

L. W. Wheeler is starting on his regular fall trip for Vaughan's Seed Store.

Samuel Pearce, 656 Clybourne avenue, is rebuilding four houses.

Visitors: John C. Elspermann, Evansville, Ind.; Harry Balsley, Detroit.

CAMDEN, N. J.—C. W. Turnley and Mrs. Turnley are at home from Niagara Falls, where they stopped enroute from Detroit.

WASHINGTON, D. C.—Ex-presidents of the S. A. F. W. R. Smith and W. F. Gude are reported to have arrived in Glasgow, Scotland, August 16.

HARTFORD, CONN.—Chas. K. Swenson is building another carnation house 22x165 and James Young is putting up three even span palm houses 20x75. Both growers are heating with hot water.

CROMWELL, CONN.—A. N. Pierson's range of ten new rose houses 23x300 is to be one of the finest in the east. The structures are three-quarter span, iron, and have a double heating system, both steam and hot water.

MORRISTOWN, N. J.—H. C. Holmes has bought the land, 150x200, residence and four greenhouses which he has occupied for several years, paying $8,500. He will remodel the dwelling and is already modernizing the greenhouses.

NORTH TONAWANDA, N. Y.—This section was visited by a hailstorm on August 2. Fred. Meyers lost about 500 lights, J. H. Kendle about 300, while Christ Schnell and C. J. Pult with about 12,500 feet of glass lost none. Fred. Knicht, who recently rebuilt, did not suffer any loss worth mentioning. The Florists Supply Co. is rushed with orders for the new soil pulverizer.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

CHICAGO, Nov. 7-11.—Chrysanthemum show, Hort. Society of Chicago. Willis N. Rudd, Ass't Sec'y, Room 202, 185 Dearborn St.

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

BOSTON, MASS., Nov. 7-10.—Chrysanthemum show, Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society. Alex. Macllellan, Sec'y.

WORCESTER, MASS., Nov. 8-9.—Chrysanthemum show, Worcester County Hort. Society. A. A. Hixon, Sec'y, 18 Front St.

POUGHKEEPSIE, N.Y., Nov. 8-10.—Annual exhibition, Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill.

TARRYTOWN, N. Y., Nov. 10-11.—Chrysanthemum show, Tarrytown Hort. Society. Wm. McCord, Sec'y.

PROVIDENCE, R. I., Nov. 9-10.—Chrysanthemum show, Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St., Providence.

BUFFALO, N. Y., February, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

Catalogues and Cut Flower Price Lists Received.

T. W. Wood & Sons, Richmond, Va., seeds; P. J. Berckmans Co., Augusta, Ga., trees and shrubs; Wm. Watson, Brenham, Texas, trees and shrubs; Williams & Sons Co., Batavia, Ill., florists' and nursery requisites; E. H. Krelage & Son, Haarlem, Holland, Dutch bulbs; Cincinnati Cut Flower Co., Cincinnati, Ohio, cut flowers.

Piping Rose and Carnation Houses.

ED. AM. FLORIST:—How can I heat by steam two houses for roses or carnations? They are 23x150 feet even span, running north and south. The side walls are six feet high. Each house contains three benches five feet six inches wide. How many pipes should be placed under each bench? What size of pipe is best? What size of pipe should be used for the main from boiler? The boiler is eighty-horse power. SUBSCRIBER.

If there is no glass in the side walls a 2½-inch over-head feed and ten 1¼-inch returns should suffice for most varieties of roses, where the mercury seldom drops much below zero. One flow and eight returns should answer for carnations. If under bench heat is desired, the pipes may be distributed to supply it, but it will be well to have at least two of the returns on each wall, and this would leave four and six pipes to be distributed under the benches in the carnation and rose houses respectively. To connect with the boiler a 3-inch main feed and a 2-inch return will be desirable. The connections to each house can be made with 2½-inch feeds and 1½ inch drip pipes.

L. R. TAFT.

Convention Jottings.

New York next year, Chicago, 1901.

It was diamond cut diamond in that glazing discussion.

The Detroit florists are elaborate entertainers at all hours.

As ever and always, the man in the gap was Robt. Craig.

Too many of the ex-presidents were among the missing.

The sage of Richmond was well to the front with new gospels.

The music and humor of Edgar Sanders spoke well for his years.

Is an association of florists organized to raise prices not a trust?

The swimming baths at one of the hotels were much enjoyed.

Fighting William Scott seems to be the name in these latter days.

Phil. Breitmeyer said little, but he meant it all and much more.

That triumphal arch was a new convention feature and a good one.

John Westcott was there and kept his bowlers in trim to win the cup.

Chicago bowlers are justly proud of the performance of George Stollery.

The Herendeen show card at the Cadillac was the subject of much comment.

M. Rice & Company had no exhibit at Detroit, but M. Rice himself was there.

The gauntlet is cast and florists are out to fight the glass and other trusts.

The Ionia Pottery Company was working mostly in the interest of white pots.

Twins Ewell and Mathison, of the Boston delegation, made fun for everybody.

Kreitling's decoration of the Chicago dining car was the subject of much favorable comment.

With such men as F. R. Pierson and P. O'Mara as sponsors the success of the New York convention is assured.

It was sad to see that crack team of Buffalo bowlers relegated to the third place so close upon the Pan-American scheme.

Sullivan's paper set a number thinking about matters which they had never thought of before in connection with their business.

Cement Joints—Gravity Heating System.

ED. AM. FLORIST:—You will oblige by informing me on the following points with regard to cement joints:

1. How are the joints made?
2. What kind of cement is used?
3. Are they as safe as the rust joints?
4. How long should they stand before use?
5. What is meant by the gravity system of hot water heating?

GREENHORN.

1. Cement joints are sometimes used for packing 4-inch cast-iron pipe. About one inch of the joint is first caulked with oakum or a piece of rope, as large as can be readily driven in. Next enough cement, or iron putty, to make a layer one-half inch thick, followed by another thin layer of oakum, or rope packing. The hub is then filled with rather thick cement, made from equal parts of fine, sharp sand and water lime. Care should be taken to have the pipe so supported that its expansion or contraction will not be hindered and in warm weather there is danger that the cement will set too quickly. To prevent this it is well, after five or six days, to fill the pipes with water and to cover the joints well with burlap or other material that can be occasionally moistened.

2. Any good grade of Portland cement will answer.

3. A well-made rust joint is much harder to break than the cement joint, although when no unusual strain is placed upon the cement joints they will last many years. Unless one is accustomed to making rust joints there is danger of cracking the hubs.

4. The joints made as above will hold if a fire is started at the end of a week, but if allowed to set slowly it will become stronger for weeks and even months.

5. All systems of heating with hot water may be spoken of as gravity systems, as the movement of the water in the pipes is due to the fact that as the water in one portion is warmed it expands and becomes lighter, while other portions on cooling contract and thus become heavier. As a result the excess of weight of the cold water causes it to displace any warmer water that is lower down in the system. It will thus be seen that the circulation is cansed, not because hot water rises, but by the falling of the cold water, which pushes the hot water out of the way. "Specific gravity is held by all intelligent heating men to be the *force* that *causes* water to circulate through the piping." A. T. Hoyt in AMERICAN FLORIST, July 22, 1899.

L. R. TAFT.

Roots of Roses Injured.

ED. AM. FLORIST:—I would like to know what means to adopt in order to banish a small white worm which is cutting off my roses at the roots. The house has been planted about two weeks with Bride and Bridesmaid. Every morning there are five or six plants cut away in the soil. What should be done?

NEW BEGINNER.

"New Beginner" does not give any description whatever of the grub and there are several families of these which do more or less feeding on rose roots. The most destructive of all are the grub of Aramygus Fullerii, or what is generally known as the rose bug proper. This grub is milky white with a small brown head; average length from half an inch to five-eighths of an inch; it is quite soft, yet its digestive powers must be exceptionally good, for they can destroy more rose roots than any other living thing I have ever seen. There is another grub known as the wire worm; this fellow is from three-quarters to one inch in length, is straw-colored with brown head and has short legs which enable it to bury itself very quickly in the soil. He has a good appetite also. Then there is the grub of the June bug. This, when exposed to the light, usually assumes somewhat the form of a horse shoe and when full grown will average one and one-half inches long, with brown head, white or straw-colored body with the latter end of a dark gray color, particularly after a good meal of rose roots with some of the compost for seasoning. With the two last, the old adage is still the best, "ketch 'em and kill 'em." If "New Beginner" has the first described in his rose house I would not give him a nickle per foot for his products till he has exterminated them. His only chance to do this is to clean everything movable out of the house, make a big bon-fire and burn the lot, and then thoroughly lime wash every part of his benches and walls with hot lime and begin over again with new clean stock. I hope he has not this pest to contend with, but if he will mail three or four in a wooden or tin box with just enough moist earth to keep them alive, I will tell him at once if it is this "cuss."

JOHN N. MAY.

Greenhouse Building.

New Castle, Pa.—W. T. & F. P. Butz, two carnation houses 22x150; violet house 20x100.

Angola, Ind.—R. F. Carpenter, house 12x60.

Green Bay, Wis.—Herman Raymaker, vegetable house 30x120. H. M. Reinecke, rebuild house 20x55.

Stephens Point, Wis.—A. V. Browne, two houses 20x100, one 10x100.

Franklin, Pa.—W. T. Bell & Sons, carnation house 23x116.

Toronto, Can. — T. Duffort, house 15x80.

Monongahela, Pa.—I. S. Crall, range of commercial houses.

Sycamore, Ill.—Fred. Witty, one greenhouse.

Kennett Square, Pa.—Thompson Richards, 100 foot house.

Newark, N. J.—T. Sauvage, palm house 30x30, rose house 30x35, carnation house 30x35 and propagating house 12x25. J. G. Muller, three houses each 20x150.

Baltimore, Md.—Robt. Garrett, palm house, 30x40, croton house 20x30, stove house 30x40. T. E. Hambleton, plant house 18x120, propagating house 10x16.

Flushing, N. Y.—Sanford Hall Asylum, greenhouse 20x150.

Washington, D. C.—U. S. Botanic Garden, two houses 18x60, lean-to 14x50. Mr. Lothrop, house 20x100.

Woodside, N. Y.—Chas. Schafer, rose house 18x130.

West Hoboken, N. J.—John Reichert, commercial house 25x80.

Smilax Leaves Spotted.

ED. AM FLORIST:—Can you tell me what is the cause of the white spotting on my smilax leaves in summer, as per the enclosed sample? What can be done to prevent it? W.

The peculiar spotting on the smilax leaves submitted is the result of an insect which belongs to what is commonly known as the flea-beetle family. Just as soon as we have cooler weather these insects cease their ravages. How to annihilate this pest so that it will not bother smilax or other plants in summer time is a hard problem to solve. Among potatoes growing on some parts of this continent, a near relative of this insect causes much havoc among the vines, and in many cases seriously impairs the crop. The now quite well known Bordeaux mixture answers a double purpose, if freely used, in the case of potato growing, by checking insect injury and fungus diseases. One of the tricks resorted to by these troublesome insects for their self-preservation, is to dodge beneath the leaves—side step, as it were—upon the slightest agitation of the vines. It is thus difficult to hit the enemy with what is known as contact insecticides, and to use poison for internal application would be extremely risky and might prove dangerous.

Some years ago, when our personal summer trade demanded more smilax than it does at the present time, we constructed a cheap lath house outdoors, and planted some old smilax roots therein, trained the strings in the usual way, and on this plan circumvented the flea-beetle, and had fairly good smilax for cutting purposes, though we must admit the leaves were not so luxuriant as are those grown under glass; but what was of far more importance, the leaves were quite hard, thus making it more valuable, because less inclined to wilt in the hot summer months. J. P.

OBITUARY.

HENRI LEVEQUE DE VILMORIN.

H. L. de Vilmorin, one of the most conspicuous figures in European horticulture, died August 22. The house of Vilmorin-Andrieux & Co. dates back beyond the time of Louis XV, when Pierre Andrieux was seedsman and botanist to that king. In 1745 the firm was located at the Quai de la Megisserie and that is its address at the present day. M. de Vilmorin, one of the senior members of the firm, was widely known as an authority on all horticultural subjects. He was an occasional contributor to our columns and last visited this country, with his son Philip, during the World's Fair year. Many of our readers will remember the World's Fair congress of horticulturists. On this occasion M. de Vilmorin spoke with much feeling of the pleasure he experienced in meeting with the horticulturists of America. M. Henri de Vilmorin was a Veitchian medallist of the Royal Horticultural Society of England and a knight of the French Legion of Honor. The Vilmorin family has lived for several generations on the beautiful estate at Verrieres, and those who have been so fortunate as to have visited the deceased at his home are most enthusiastic in praising the estate as covering everything desirable in horticulture, artistically and commercially, and express themselves as still more delighted with the modest and unaffected courtesy with which they were entertained. Our portrait of M. Henri de Vilmorin, which appears elsewhere in this issue, is copied from the *Gardeners' Chronicle* of June 13, 1896.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a first-class gardener and florist; cut flowers. Address D. WEISS, Box 42, Lancaster, N. Y.

SITUATION WANTED—By practical all-around florist; single. Good references. Address J H, Olneyville P. O., Providence, R. I.

SITUATION WANTED—By good all-around florist with 19 years' experience. Best references. Address N D, care American Florist.

SITUATION WANTED—As foreman by a good all-around florist; 6 years foreman in present place. Address A C, care American Florist.

SITUATION WANTED—By a first-class decorator and designer, in a store or greenhouse. Best of references. Address E M, care Am. Florist.

SITUATION WANTED—Florist, 8 years' commercial experience; single, 28. References. Private or commercial. J H A, 55 E. Pomfret st., Carlisle, Pa.

SITUATION WANTED—With privilege of buying or taking partnership in small greenhouse business, if agreeable to both parties. Address Box 95, Gunston, Va.

SITUATION WANTED—By gardener and florist; long experience in greenhouses (all kinds) and gardening; private place or superintendent of small park preferred. best references. M, care Am. Florist.

SITUATION WANTED—By first-class grower of cut flowers and general stock; good designer and cut flower worker; educated American, single, sober and industrious; life experience. References. Address care of C. E. BOWER, Box 20, Grosse Isle, Mich.

SITUATION WANTED—Nurseryman, as manager and propagator; 6 years in last position; 18 years' experience in propagating greenhouse and nursery stock. East or central states preferred. Best of references. Address P. O. Box 851, Charles City, Ia.

SITUATION WANTED—By an up-to-date florist in first-class store, can take charge; good salesman, designer and decorator; life experience in all branches of the business; age 30 years. Reference present employer and the leading firms of Chicago. Address H C, care American Florist, Chicago.

SITUATION WANTED—As vegetable gardener, by single German 27 years old; competent to take charge of a garden; 6 years' experience in glass gardening at Cincinnati, O.; have a garden in charge at present. State all particulars in first letter. References if desired. Address JOHN X. SCHAEFER, care Carl Skjoldager, Oxford, O.

WANTED—Two young men for general greenhouse work; wages $30 and lodging CARL HIRSCH, Hillsdale, Mich.

WANTED—A good florist to work in retail flower store; sober. Good salary to good man. Address H B, care American Florist.

WANTED—A good man to grow cut flowers. Must be sober and industrious; steady job for the right man. R, care American Florist.

WANTED—A second-hand hot water heater; also several sections of Carmody hot water heater, style 2. C. C. WONNEMAN, Mexico, Mo.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIASON, Memphis, Tenn.

WANTED—Quick propagator, one accustomed to bedding stock; good worker; chance for advancement. $25 00 per month and board. CRABB & HUNTER, Grand Rapids, Mich.

WANTED—A young man to learn the florists' business or with some experience in this line. State age and wages wanted with board. Address R. HOFFMANN, 116 Prairie St., Elkhart, Ind.

WANTED—Grower of hardy perennials with thorough commercial experience in this class of stock; must be accustomed to handling men. HENRY A. DREER, Lock Box 1618, Philadelphia.

WANTED—To buy or rent, with privilege of buying, greenhouse establishment; 3000 to 10,000 feet of glass. State lowest cash rental and buying price. Address GROVE L. TYLER, Gunston, Va.

WANTED—An all-around florist; one capable of growing good roses, carnations and general greenhouse stock. Must be sober, industrious and reliable. References required. State wages wanted. Address A M, care American Florist.

WANTED AT ONCE—A good grower of roses, carnations and general stock in place doing only a retail business. Must be of good, steady habits. American preferred. Give references and wages expected. M. D. MERRILL, South Haven, Mich.

FOR SALE OR RENT—Fortune for live florist with small capital. Write me and I will prove it. F I T, care American Florist.

FOR SALE—Carmody water boiler—8 sections—very reasonable and in good condition. Address 1119 Charles St., St. Paul, Minn.

FOR SALE—Four greenhouses, with 7800 feet of glass; good location; heat, hot water; everything very convenient; terms reasonable. Apply to JOHN KOHN, Lake Geneva, Wis.

FOR SALE—Fine opportunity to grow early vegetables and raise spring chickens for home and city market successfully. Small capital, easy terms. VEGETABLES, care American Florist.

FOR SALE—One Devine boiler, seven flues, good order; reason, for selling, must have a larger boiler for my houses MRS. S. E. BECKWITH, Mt. Pleasant, Ia.

FOR SALE—A bargain; fine retail business, 4000 ft. glass, well stocked; 7-room dwelling, barn, stable, etc., in city of 40,000. A fine opportunity for beginner. Reason for selling, bad health. Write at once. Address M, care American Florist.

FOR SALE—Four greenhouses and stock; heated by steam, opposite four cemeteries; no opposition; doing splendid business; electric cars pass the office. Will sell cheap on account of retirement. FLORIST, 2226 So. Meridian St., Indianapolis, Ind.

FOR SALE...

350 feet 4-in. heavy steam pipe, in good condition. Will furnish new couplings, $25.00 per 100 feet.

Two 6-in. low pressure steam or hot water valves, open way. Socket joints in first-class order. Send us a bid for them.

CRITCHELL'S, 110 E. 4th St., Cincinnati, O.

A BARGAIN.

Two Carmody Boilers, 7 sections each. The two will make one large boiler. 3 Ts, 10 Ls and 290 ft. 4-in. cast iron pipe All in good condition. Price, $70 cash.

H. P. SMITH, PIQUA, O.

FOR SALE.

One No. 4 Doric Hot Water Heater. New; never been used. $95 cash, f. o. b. cars. Reason for selling, too small, having enlarged my plant.

ADDRESS... **GEO. M. WRISLEY, Windsor, Conn.**

Marblehead and Thereabouts.

I was over in Marblehead, Mass., the other day and made a call on our friend, E. Hayden, one of those busy chaps who yet has a pleasant word for everyone; I always enjoy a call at his place. He intends making an addition of forty feet on two houses and to this he will attach a potting shed and boiler room. Two Florida boilers will be used to heat the entire place. Several hundred thousand pansy plants will be grown here this year. I find chrysanthemum plants are short all about this district; almost everybody wants a few.

At Elbridge Blaney's, in Swampscott, there is a new chrysanthemum house 20x60 in which the plants in solid beds are growing finely. There is one house planted to asters, the greater portion being Vick's Branching. These are a fine lot and promise a good crop, but Truffaut's planted under the same conditions, in fact, on the same bench, are badly diseased. This is also a common sight in the gardens, but I don't know that I ever saw so much of this trouble before. Blaney's carnations are in good condition, most of them being housed.

I had an interesting conversation with one of Lynn's veteran florists, S. T. Goodwin, the other day, about his trip to the Klondike gold regions. I wouldn't be surprised if he and S. H. Davenport took a trip to Porto Rico this fall.

William Walk, a former foreman at the Julhan place in Salem, is building a new range, consisting of two houses 25x100 and one house 18x80 with potting shed and office, the heating to be done by a fifty horse-power boiler. The construction throughout is in a manner that will commend itself on sight. Side and top ventilators will be used, regulated by a thermostat, of which Mr. Walk thinks quite highly. A general stock will be grown.

The Houghton Horticultural Society, of Lynn, will have an outing on Labor day, when a trip will be made to the Ames estate at North Easton. JAP.

SCRANTON, PA. — Thos. Harber has gone into bankruptcy, with liabilities of $1,850 and assets of $1,580.

LE MARS, IA.—W. F. Will has severed his connection with the Le Mars Greenhouses and gone to Chicago. Mrs. E. G. Will, who owns the place, will engage another manager and continue the business.

STAATSBURG-ON-HUDSON, N. Y.—James Macfarlane has located in a picturesque spot overlooking the Hudson river and has commenced the erection of a nursery and florists' plant, which he expects to have in working order by September 1. On August 18 there was rejoicing in the Macfarlane household over the arrival of a baby boy.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Philadelphia and Return, $16.45
VIA THE WABASH.

The Wabash will sell tickets, Chicago to Philadelphia and return, Sept. 1 to 4, as above; other tickets, a little higher, giving greater privileges. Write for particulars. Ticket office, 97 Adams St., Chicago.

PITTSBURG CUT FLOWER CO., Ltd.,
WHOLESALE FLORISTS,

Long Distance 'Phone 2157. Consignments Solicited. No. 705 Penn Ave.,

FLORISTS' SUPPLIES. WRITE FOR PRICE LIST. PITTSBURG, PA.

Wholesale Flower Markets

CINCINNATI, Aug. 24.

Roses, Bride, Bridesmaid	2 00@ 3.00
" Meteor	2.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.50@ 1.00
Asters	1.00@ 1.50
Sweet Peas	.25
Gladiolus	3 00
Tuberoses	3 00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Aug. 24.

Roses, Beauty	4.00@20.00
" Bride, Bridesmaid, Meteor	2.00@ 4.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1.50
Smilax	12.50
Adiantum	1.00
Asparagus	50.00@75.00
Sweet Peas	.25

MILWAUKEE, Aug. 24.

Roses, Beauty, long per doz.	2.00@ 3.00
" " medium " "	1.25@ 1.50
" " short " "	.75@ 1.00
" Bride, Bridesmaid	2 00@ 4.00
" Perle	2 00@ 3.00
" Meteor	3.00@ 5.00
" Kaiserin	3.00@ 5 00
Carnations, fancy	1.50
" good stock	.50@ 1 00
Gladiolus	2.00@ 3 00
Sweet Peas	.10@ .15
Harrisii	8 00
Auratum	12.50@15 00
Asters	.50@ 1.00
Adiantum	.75
Common ferns	.25
Smilax	12.50@15.00
Asparagus	60.00

PITTSBURG, Aug. 24.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	4 00@ 8.00
" Perle	2.00@ 4.00
Carnations	.50@ .75
" long "	1 00@ 1.50
Lily of the valley	3 00@ 4 00
Tuberoses	2.00@ 3 00
Smilax	10 00@15 00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	.35
Sprengerii	35 00@75.00
Asters	.40@ 2.00
Gladioli	1.00@ 2.00
Lilium Speciosum	4 00@ 6.00
" Auratum	10.00@15 00

EXCURSION TO TORONTO VIA THE WABASH.

The Wabash will sell excursion tickets from Chicago to Toronto, August 26 to 29 at $12.40 for the round trip, account of Toronto Fair. Write for particulars. City ticket office, 97 Adams St., Chicago.

CHEAP LAND EXCURSION TO MOBILE, ALA.
VIA THE WABASH AND M. & O.

The Wabash will sell excursion tickets from Chicago to Mobile, Ala., and return at $15.00 for the round trip, good to leave Chicago on August 22 only. Write for maps, time tables and full particulars. F. A. Palmer, Asst. Gen. Pass. Agt., 97 Adams St., Chicago

HARDY CUT FERNS



FANCY DAGGER

IN 1000 LOTS, AT 75 Cents PER 1000.
Discount on large lots.
Also dealer in Sphagnum Moss, Bouquet Greens, Christmas Trees, Etc., Etc.

L. B. BRAGUE, Hinsdale, Mass.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

P. O. Box 103. MILWAUKEE, WIS.

Cincinnati.. Cut Flower Co.,

W. A. MANN. FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Leather Bound

copies of the new edition of our DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada, arranged both by states and towns and alphabetically. Price, $3.00; in board covers, $2.00.

American Florist Company,
324 Dearborn Street, Chicago.

800,000 FEET OF GLASS.

REINBERG BROS.

Wholesale Growers of

CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

Wholesale Price List.

AMERICAN BEAUTY 24-in. stem	per doz.,	$2.50
20 "	"	2.00
15 "	"	1.50
12 "	"	1.25
8 "	"	1.00
METEOR	per 100,	3.00 to 4.00
BRIDESMAID	"	3.00 to 4.00
BRIDE	"	3.00 to 4.00
PERLE	"	2.00 to 3.00
CARNATIONS	"	1.00 to 1.50

Quotations subject to change without notice. All other stock at lowest market prices.

Until further notice we will close at 5:30 P. M. week days, and noon on Sundays and Holidays.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, - - CHICAGO.

We Have the LARGEST WHOLESALE House in Chicago.

OUR SPECIALTIES: ORCHIDS, HIGH-GRADE ROSES, CARNATIONS and VIOLETS.

Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

E. C. AMLING,

....WHOLESALE CUT FLOWERS....

W. S. HEFFRON, Mgr. 51 Wabash Ave., CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue, Telephone Main 3208. CHICAGO.

Lynch WHOLESALE FLORIST.

19-21 E. RANDOLPH ST. CHICAGO

GALAX LEAVES.

Brilliant Bronze and Green.

$1.25 per 1000. Price in quantity on application.

HARRY A. BUNYARD,

42 West 28th Street, : NEW YORK CITY.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

CHICAGO, Aug. 25.

Roses, Beauty, 24 inch	" "	2.50
" " 20 "	" "	2.00
" " 15 "	" "	1.50
" " 12 "	" "	1.25
" " 8 "	" "	1.00
" Bride		3.00@ 4.00
" Bridesmaid		3.00@ 4.00
" Perle		2.00@ 3.00
" Meteor		3.00@ 4.00
Carnations		1.00@ 1.50
Sweet Peas		.10@ .50
Cornflowers		.50
Water Lilies		1.00
Gladioli		1.00@ 4.00
Asters		.50@ 2.00
Mignonette		1.00@ 2.00
Hydrangeas	per dozen	1.00
Golden Rod		1.00
Adiantum		.50@ 1.00
Common ferns		.15
Fancy Ferns		.20
Smilax		10 00@15.00
Asparagus		50.00

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

Do not hide your light under a bushel. Tell the people what you have for sale.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street. CHICAGO, ILL

Illinois Cut Flower Co.

WHOLESALE FLORISTS.

J. B. DEAMUD.....

51 & 53 Wabash Ave., CHICAGO.

The..... American Florist

IS PAID FOR CIRCULATED AND READ.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

WIETOR BROS.

SUCCESSORS TO ROGERS PARK FLORAL CO.

Wholesale Growers of **CUT FLOWERS**

51 WABASH AVENUE,

Headquarters For American Beauties. CHICAGO

Mention American Florist.

Samuel S. Pennock. Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

DURING THE SUMMER MONTHS, COMMENCING JULY 3rd, WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORISTS' SUPPLIES

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Mention American Florist.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

For further information apply to the nearest Railroad Ticket Agent, or to

H. B. McCLELLAN, G. E. A., 387 Broadway, New York City,

J. D. McBEATH, N. E. P. A., 5 State Street, Boston, Mass.

C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

.....It your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

PHILADELPHIA, Aug. 23.

Roses, Tea	2.00@ 3.00
" extra	4.00@ 5 00
" Beauty, extra	12.00@16.00
" " firsts	6.00@ 8.00
" " seconds	2.00@ 6.00
Carnations	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet Peas	.15@ .25
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00

BOSTON, Aug. 23.

Roses, Beauty, select	12.00@25.00
" " ordinary	2 00@ 5 00
" Bride, Bridesmaid, Meteor	.50@ 4 00
" Kaiserin	1.50@ 6 00
Carnations, ordinary	.50@ 1.00
" fancy	1 00@ 1.50
Lily of the valley	2.00@ 4.00
Asters	.25@ 1.00
Gladioli	1.00@ 4.00
Smilax	8.00@10.00
Asparagus	50.00
Adiantum	.50@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

☞ A complete line of Wire Designs.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. St. St. LOUIS, MO.

HOME GROWN STOCK.

Mention The American Florist.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA

Consignments Solicited.

THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the "GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—

Wellington St., Covent Garden, London, England.

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

Top Grade BEAUTIES, BRIDES, BRIDESMAIDS.

LILY OF THE VALLEY and METEORS, for summer shipments.

Extra Carnations.

New Telephone No. 1998 Madison Square.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.

J. K. ALLEN,

...Wholesale Florist...

SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.

New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.

43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,

WHOLESALE **FLORIST**

New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*

Roses shipped to all points. Price List on app'ication.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.

Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

....30 West 29th Street.

New Telephone No. 551 Madison Square.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. NEW YORK.

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock Every Morning.....!

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist.

Now Ready! The American Florist Company's..

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY

324 Dearborn St., CHICAGO, ILL.

HALF TONES

ZINC ETCHINGS

WOOD CUTS

ELECTROTYPES

J. MANZ & CO.

195-207 Canal St., - - - CHICAGO.

HIGH GRADE WORK.

PROMPT SERVICE.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 23

Roses, Beauty select	10.00@20.00
" ordinary	2.00@ 5.00
" Bridesmaid, Bride, Morgan	.25@ 1.50
" Kaiserin, Meteor	1.00@ 4.00
Carnations	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	1.00@ 2.00
Longiflorum	4.00@ 8.00
Gladioli	1.50@ 2.00
Asters, per hundred bunches	1.00@ 3.00
" fancy	1.00
Cattleyas	40.00@50.00
Smilax	5.00@ 8.00
Asparagus	25.00
" Sprengeri, per doz. bunches	1@2
Adiantum	.50

BUFFALO, Aug. 24

Roses, Beauty	3.00@25.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Nipheton	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1.00
" fancies	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Lilium Auratum	8.00@12.50
Speciosum	4.00@ 6.00
Asters	.50@ 1.50
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00
Sweet Peas per bunch	.02@ .06
Gladiolus	2.00@ 3.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

Edw. C. Horan, WHOLESALE FLORIST,

47 West 28th Street, NEW YORK.

New Telephone No 421 Madison Square.

CAN FILL YOUR ORDERS FOR FINE

BEAUTIES, BRIDESMAIDS, BRIDES and CARNATIONS.

Write for Price List. Notice New Number.

...GEO. M. KELLOGG...

Largest Grower of... in the West. **Cut Flowers**

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

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JULIUS LANG

53 WEST 30th STREET NEW YORK

CARNATIONS Tel. 280 Madison Sq.

Mention the American Florist.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

M. A. HART,

Commission DEALER IN **Cut Flowers,**

44 WEST 29TH STREET, NEW YORK CITY.

THE BEST MARKET IN NEW YORK.

'Phone 325 Madison Square.

Ford Bros...

Wholesale Florists

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Consignments Solicited. 'Phone, 157 Madison Sq.

Galax Leaves

For Summer Use in Cold Storage.....

Write the INTRODUCER,

HARLAN P. KELSEY,

1106 Tremont Bldg., BOSTON, MASS.

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ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

GOOD authorities predict another short crop with high prices for beans.

COLUMBUS, OHIO. — The Livingston Seed Co. is preparing a shipment of new field corn for Buda Pesth, Austro-Hungary.

E. SCHAETTEL, representing Vilmorin-Andrieux & Co., of Paris, France, is expected to arrive in this country to-day, August 26.

H. A. EDWARDS & Co., Caribou, Me., have incorporated with $20,000 capital and will take over the business of H. A. Edwards, including the seed trade.

HENRY NUNGESSER & Co. have been incorporated at New York with a capital of $100,000. Directors are H. Nungesser, M. H. Duryea and G. F. Hoagland.

S. Y. HAINES & Co. will have charge of the execution of the government seed order for Charles Parker, and representatives of the firm are now in California completing the details of the work.

PORTLAND, ME.—Ellis M. Sawyer, son of W. C. Sawyer, the seedsman, died at Augusta on August 11, aged 35 years. Mr. Sawyer formerly conducted a florist business at Woodfords. He has been ill for over six years.

THE Department of Agriculture, Washington, D. C., issues a bulletin on crimson clover seed, giving information which seedsmen and horticulturists learned for themselves by practical experience long ago. This useless expenditure of the public funds should be stopped.

PETER HENDERSON & Co. suffered a $15,000 fire in the basement of their store, 35 and 37 Cortlandt street, New York, August 20. The fire was discovered by a patrolman at 2 a. m., and before it was extinguished twelve firemen had been overcome by smoke; all recovered, however. The loss on stock is estimated at $12,000, fully insured.

NEW YORK.—A letter from Winfried Rolker, who is now in Europe, states that Dutch bulbs in some lines are scarcer and of poorer quality than had been anticipated. This applies particularly to white hyacinths and to miniatures generally, which are very small and very scarce. Tulips will be a normal crop, excepting La Reine and Duc Van Thol, both of which are diseased and short crop.

Detroit.

QUIET SETTLES OVER THE CONVENTION CITY.—ONLY PLEASANT MEMORIES ARE LEFT.—SHAW'S HEAD WAS BADLY BUMPED, NOT BROKEN.—JOTTINGS.

The calm which succeeds the storm has settled down upon Detroit and with the exception of the arch of welcome and the happy countenances of the local florists nothing is left to indicate the passing into history of the convention. From every direction have come letters of congratulation expressing the satisfaction of the exhibitors, who all sold out their wares to good advantage, booked innumerable orders and made the acquaintance of many prospective buyers.

The Detroit bowlers are not satisfied with the record they made in the national contest. They were surely unnerved and plainly failed to do themselves justice, possibly owing to the presence of so many ladies; but they are already full of promises for 1900 at New York.

All the visiting florists have departed for their homes except Laureate Shaw, whose injury of last Thursday evening will probably prevent his writing any more poetry for some time to come. He is still ill in bed at the Oriental Hotel, suffering from concussion of the brain but not a fracture of the skull as was at first feared by his friends. He hopes to leave for New York before the end of the week but is likely to feel the effects of his injury for some time.

President E. M. Wood was a guest of Mr. and Mrs. J. F. Sullivan Sunday, taking the evening boat for the east via Cleveland. A large company gathered to do him honor. He is certainly popular with everyone of the Detroit florists, all of whom unite in wishing him a most prosperous official year.

The regular cut flower business of the city continues encouraging. A great deal of funeral work keeps the leading stores constantly active, but, owing to the drought, grasshoppers and black beetles, asters and other outside flowers are scarce.

Phil. Breitmeyer and family are enjoying a week's outing at the "Flats," the beautiful resort to which the S. A. F. sailed on that memorial Wednesday evening. J. F. S.

Baltimore.

FIRE INFLICTS HEAVY LOSS UPON FISCHER & EKAS.—SPECIMEN CHRYSANTHEMUMS INJURED.—AMONG THE GROWERS.—SOME FINE STOCK.

During the severe thunder storm Monday night, August 21, the building that runs along the west end of Fischer & Ekas' houses was discovered on fire; it was soon destroyed and the ends of all the houses burnt off. The building was used as a store house and contained all the stock of empty pots, about 25,000, forty tons of coal, all tools and twenty-seven boxes of 16x16 glass. In the houses the smoke killed almost every plant, a bench containing 15,000 rooted rose cuttings being the chief loss, as the houses were mostly empty. The house of chrysanthemums was not quite so badly damaged as the rest. This is one of the very few places growing specimen chrysanthemums for the show, and a magnificent lot of plants, most of which had been staked out, were plunged in frames running at right angles to the burned building. Those nearest the building, which were the largest plants, were badly scorched, and if they are made too late for the show the whole city will have cause to regret the Fischer & Ekas fire.

A visit to the group of florists about Erdman avenue and the Belair and Harford roads shows that there is not in the county a group as close together as Montgomery Bros., James Simpson, Matthew Richmond and Erdman Bros., with as great a quantity of really first-rate stock. Simpson has Pteris argyrea, one year from spores, in 6-inch pots with fronds eighteen inches long; lots of other pteris and Lomarea gibba, Blechnum Braziliense and other ferns showing the same luxuriant growth. One house is being rebuilt and extended. Montgomery Bros. are busy glazing two new houses 12x100 feet. They have a splendid lot of young kentias and other palms and chrysanthemums. Matthew Richmond has enough chrysanthemums to supply the town and everything about the place is in good condition. The field of carnations is particularly fine and even. Erdman Bros. have already planted two houses 16x100 with carnations. They are putting up a new house 34x80 where two small houses stood. J. G. Erdman has a house of smilax which is a rare sight just now and he has his cinerarias in thumb pots already. MACK.

ESTABLISHED 1802

THORBURN'S SEEDS

JUST ARRIVED

Fresh Seeds

—OF—

Per 1000 Seeds

KENTIA BELMOREANA.....$4.00

KENTIA FORSTERIANA.....$4.00

WHILE UNSOLD.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention American Florist.

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

Mention the American Florist.

FREESIA REFRACTA ALBA. 100 1000

TRUE WHITE, large bulbs....$.75 $6.50

FREESIA, pure white, yel. throat .60 4.75

" ⅜ to ½-inch..... .40 3.00

Price includes delivery on Freesias.

LIL. HARRISII, EXTRA FINE, 5 to 7-inch 4.50

CALLA AETHIOPICA, 3-7 in. circ. Write for prices.

Send for NEW TRADE LIST.

H. H. BERGER & CO., 47 Barclay St., New York.

Established 1878.

Mention American Florist.

ZIRNGIEBEL GIANT PANSIES

Seed at $1.00 per trade packet or $5.00 per oz.

Also plants of the above at $5.00 per 1000, securely packed to go any distance. Large transplanted plants for winter bloom at $2.00 per 100 (no dollar an oz. mixture in these plants).

DENYS ZIRNGIEBEL,

NEEDHAM, - - - MASS.

SELECTED STOCK OF

LILIUM HARRISII

	Per 100	Per 1000
5-7	$5 00	$45.00
7-9	10.00	90.00
9-11	20 00	

Roman Hyacinths, Paper White Grandiflora, etc. Write for prices.

AUGUST RÖLKER & SONS, 52 DEY STREET, - NEW YORK.

Vaughan's Columbian Cinerarias

This mixture is this year finer and more complete than ever.

This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors.

Columbian Cinerarias. This is the best mixture in existence; per trade pkt., about 1000 seeds, 50c., 3 pkts. for $1.25.

Cineraria Hybrida, large flowering mixed, trade pkt., 25c.

Cineraria Hybrida Nana, large flowering dwarf, mixed trade pkt., 25c.

Cineraria, large flowering double mixed, trade pkt., 50c.

Cineraria, large flowering double white, trade pkt., 50c.

Calceolaria Hybrida. Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties, and we know it will give entire satisfaction. Trade pkt., 1000 seeds, 50c.

Cyclamen, Giant Flowered

Cyclamen Persicum Giganteum Splendens.

We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors.

	100 seeds.	1000 seeds.
Mont Blanc, pure white	$.75	$5.00
Deep Crimson, very large	.75	5.00
Rosa von Marienthal, pink	.75	5.00
White, Carmine Eye	.75	5.00
Giant Flowered Sorts best mixed, ⅛ oz., $1.50	.50	4.50

PANSIES

Vaughan's "International."

Received the only reward for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you.

Price, per oz., $10.00; ½ oz., $5.00; ¼ oz., $2.50; ⅛ oz., $1.50; trade pkt., 50c.

Vaughan's "Giant Mixture."

This mixture is specially made up by us from all the above separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture.

Price, per oz., $4.00; ⅛ oz., $1.00; ⅛ oz., 60c.; trade pkt., 25c.

SPECIAL OFFER. We furnish any five 25c., trade pkts. of Giant Pansies for $1.00.

Vaughan's Premium Pansies Mixed.

Embraces all the varieties of the Fancy German sorts. We have sold this mixture for the past fifteen years and it has given general satisfaction.

Per pkt., 25c.; ⅛ oz., 80c.; ½ oz., $3.00; oz., $5.50.

CHICAGO PARKS BEDDING PANSIES, "Choice Mixed"—in many colors. Pkt., 10c.; ¼ oz., 30c.; ½ oz., $1.00; 4 oz. for $2.00.

Giant White, Giant Yellow, Giant Beaconsfield, Giant Striped, Giant Emperor William, Giant Paris Market.

Each, per trade pkt., 25c.; (any 5 for $1.00) ⅛ oz., 35c.; oz., $2.00.

Giant Bugnot. Our strain of this is of exceptionally good quality, none better.

Trade pkt., 25c., ½ oz., 75c., oz., $5.00.

Gloxinia Hybrida, Vaughan's Mixture.

This mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and includes such new sorts as Emperor William and Frederick, Princess Louise, Defiance, etc., and we know that better seed is not to be had at any price. Trade pkt., 1000 seeds, 50c.; 3 pkts. for $1.25.

Chater's Prize Hollyhocks.

Our seed of this has been saved from the finest and largest double flowers only and will produce flowers extremely double and in the best, brightest and most distinct colors.

Sow now

Double Pure White, ¼ oz., 35c; 1 oz., $1.25; trade pkt., 10c.

Double Yellow, Pink, Purple, Red, Rose, Salmon, Crimson, each, ¼ oz. 35c.; 1 oz., $1.25; trade pkt., 10c.

Chater's Prize Hollyhocks, double mixed, ¼ oz., 35c.; 1 oz., $1.25; trade pkt., 20c.

Double Hollyhocks, good mixed, ¼ oz., 25c.; 1 oz., 85c.; trade pkt., 10c.

Vaughan's International Primula Mixture.

This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. It contains some of the Giant sorts, some Fern-leaved, some blue; also some with dark leaves and stems. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone.

Price for International Mixture. { Pkt. of 350 seeds, 50c. 5 pkts., 1750 " $2.00 Per 1-16 oz..... 2.50

Vaughan's Seed Store, 84-86 Randolph Street, CHICAGO. 14 Barclay Street, NEW YORK.

"Indispensable"

THIS is the only word which describes the American Florist Company's Trade Directory. This book, 359 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

EDITION OF 1899, POSTPAID, $2.00.

IN FLEXIBLE LEATHER BINDING, $3.00.

AMERICAN FLORIST CO.,

324 Dearborn St., CHICAGO, ILL.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

C. D. HUNT now has 200,000 trees in his nursery at Medford, Oklahoma.

E. W. REID, Bridgeport, W. Va., is building a packing house with storage cellar 60x160.

W. K. COX, of the Alpha Nursery Co., Alpha, Ills., is on his way east with large offerings of peach seed.

JAMES MOTT, nurseryman, of Orlando, Fla., has removed to Fort Meyers, Fla., to go into pineapple growing.

THE thirteenth annual convention of the Association of American Cemetery Superintendents will be held at New Haven, Conn., September 5–8.

ONLY half the apple crop of Missouri will be marketable because of the injury of scab and coddling moth. The state will produce about one-fourth a full crop.

WORD comes that Luther Burbank, the wizard of horticulture, will touch the coffee plant with his magic wand. Disappointment awaits him here, however, as we shall doubtless continue to blame the berry for the fault of the cook.

Trimming Thuja Hedge.

ED. AM. FLORIST:—Please give instructions as to the best time to cut back a thuja hedge. These trees are five or six feet high. Would it be advisable to cut them back twelve inches? They are uneven in height. SUBSCRIBER.

There is no better time than the present to trim an arbor-vitæ hedge, spring not excepted. The earlier it is done now the better. To cut away a foot of top from a hedge five to six feet high seems a severe trimming, yet it is not likely to injure the hedge permanently. It will look a little unsightly for a year or two until new shoots fill up the gap left by the cutting, but even next season's growth should fairly fill it up.

Should it be desired that a lowering of a full foot of height be obtained the main shoots should be cut down fifteen inches. The more slender outside branches which are below this will be well above the cut in height, and these can be trimmed off to the proper level. It is these outside shoots which will fill up the bare places on the top of the hedge in time. Arbor-vitæ rarely pushes out fresh shoots from hard wood, hence it is that we look to the green shoots below the cut to refurnish the green top.

At the time of lessening the height the whole hedge may be trimmed, bringing the top as much to a point as possible without cutting below the foliage.

When hedges are large and bushy and are cut down a great deal they rarely fill up in a satisfactory way. It takes a long time for the green outside branches to bush out inwardly to the center, and such cut down hedges are rarely ever satisfactory after.

Trimming of hedges leaves the inner twigs much exposed, and this sudden exposure of these weak twigs often destroys them. Hence it is that the present time is a safe time to do the work. Heat is decreasing and cold not here yet, and the twigs spoken of become accustomed to the change and hardened before the approach of freezing weather. This is true of all evergreen hedges.

Philadelphia. JOSEPH MEEHAN.

Diseased Crab Apple Leaves.

ED. AM. FLORIST:—Enclosed herewith you will find diseased crab apple leaf. Please give name of the disease and remedy. D. C.

The crab apple leaf is affected with rust, a well-known fungus disease which is quite prevalent certain seasons. One stage of this fungus occurs on cedar trees, producing what is known as cedar apples. The spores, or reproductive bodies from the cedar apples are carried to the crab apple leaves by the wind or other agencies and by infecting the tissues produce the characteristic spots. The spores from these spots are in turn borne to the cedar trees, where they live through the winter. There is no satisfactory remedy for the disease and about the only way to get rid of it is to remove and destroy all cedar trees in the vicinity.
B. T. GALLOWAY.

Expedition at New York Customs House.

Fred'k W. Kelsey, of New York, who has been interesting himself in correcting the evils at the New York Customs House, has received the following letter, under date of the Treasury Department, Aug. 6:

Replying to your letter of the 2nd inst., in relation to the appraisement of nursery stock at the port of New York, I have to inform you that the Collector of Customs and Appraiser at the port named were advised on the 26th ultimo that merchandise of the kind in question should be promptly appraised at the actual market value as defined by section 19 of the Customs Administrative Act; that but one package out of each invoice should be sent to the public store for examination and appraisement unless it should be found necessary in any particular case to call for additional packages to form a proper basis for determining the character, quantity and value of the entire importation, and that packages containing shrubs, trees and similar nursery stock which may be properly examined on the dock should not be sent to the public store for examination.

Respectfully yours,
(Signed) A. L. SPAULDING, Ass't Sec.

CHILLICOTHE, O.—Geo. Brehmer finds his annual display at the Sciota Valley Fair an excellent advertising card.

RIVERTON, N. J.—The Dreer Nurseries have been the stopping off place for many travelers to and from the convention and Supt. J. D. Eisele has been busy showing the sights of the big establishment.

For Parks, Cemeteries or Private Grounds
we can furnish a very large and superior stock of
FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.
Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.
Remember we are Headquarters for Nursery Stock in the East.
Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.
SATISFACTION GUARANTEED. ADDRESS...
STEPHEN HOYT'S SONS, New Canaan, Conn.

AUCTION SALE
August 30
...OF....
60,000 Deciduous Trees,
75,000 Evergreen Trees,
ALSO SHRUBBERY and VINES.
This is a clearing out sale of fine, young vigorous stock; nothing reserved.
Ground must be cleared regardless of price.
Sale begins 10:30 a. m., rain or shine.
SEND FOR LIST.
C. RIBSAM & SON
TRENTON, N. J.

HARDY SHRUBS.
Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.
SAMUEL C. MOON. Morrisville, Bucks Co., Pa.

HARDY Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS
ESTABLISHED 1854.

HEADQUARTERS FOR
HARDY ROSES.
We are now booking orders for Roses in large lots at **REDUCED PRICES.** Write for particulars.....
W. & T. SMITH CO., Geneva, N. Y.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS A SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

HOME OF CHOICE TREES and Hardy Plants.
SPECIALTIES { Azalea Amœna, Rhododendrons. Kalmias, Blue Spruce.
NEW INTRODUCTIONS OF HARDY PERENNIALS.
NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. Catalogue free.

NURSERYMEN....
IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.


Choicest Fruit and Ornamental Trees.
Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free.
THE STORRS & HARRISON CO., Painesville, O.

BOBBINK & ATKINS,

Representatives of the following European Houses:

The Horticultural Co., Boskoon, Holland, H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Spaeth Bros., Gendbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

PALM Seed. FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5 00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

PANSIES THE JENNINGS STRAIN

are considered by many florists as the finest American strain to date. Large flowering and most brilliant colors in great variety.

NEW CROP NOW READY.

Finest mixed—pkt., $1.00; ⅛ oz., $3.00; 1 oz., $5.00.

Finest white—blue, black and yellow in separate colors, 50 cts. per pkt.

Plants ready in any quantity Sept. 1st, '99.

CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

PANSIES.

Roemer's Superb Prize Pansies

This improved strain includes all the leading novelties, strong bushy plants, ready now, 60c. per 100, by mail; $2 per 500, by express; $4 per 1000; $7 per 2000; $10 per 3000; $15 per 5000. Cash with order.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Pansies.

WE ARE NOW CUTTING NEW

Brides, Maids and Beauties, also fine lot of Asters.

Still a few BRIDES, WOOTTONS, BEAUTIES; also SMILAX PLANTS. Write.

GEO. A. KUHL, Pekin, Ill.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices.

Send for prices. Cash with order.

SMILAX, fine young plants, $12.00 per 1000.

THE NATIONAL PLANT CO., Dayton, O.

ROSES. ROSES.

Maids, Brides, Wootton and Kaiserins, 3-in., fine stock, $5.00 per 100; $45.00 per 1000.

Maids, Brides, Wootton and Meteors, 2 and 2½-in., $3.00 per 100; $25.00 per 1000.

Robert F. Tesson, West Forest Park, St. LOUIS, MO.

It is good business policy to mention the

...AMERICAN FLORIST.

when you write to an advertiser.

McKELLAR & WINTERSON,

Fall Bulbs Of All Kinds

Write for quotations on your wants now. Should you not receive our list, notify us and same will be mailed.

FULL LINE OF ALL

Florists' Supplies, Cut Flowers, Etc.

McKELLAR & WINTERSON, 45-47-49 Wabash Ave., CHICAGO, ILL.

YOU MAY NEED...

CARNATION PLANTS

this fall. If such is the case we will be pleased to hear from you. We have over 25,000 plants to select from. Flora Hill, Jubilee, Bon Ton, Victor and Empress, $6 and $8 per 100; $50 and $70 per M. Daybreak, $5 and $7 per 100. Lizzie McGowan, $4 per 100; $30 per M. Gold Nugget and Evanston, $10 per 100; and SANDUSKY, which you surely want to give a trial this winter, if you want large quantities of early, large and beautiful variegated flowers that will sell at sight to your customers. Nice, large plants from field, $10 per 100, $80 per M.

1899 NOVELTIES—Melba, America, G. H. Crane, Gen. Gomez, Gen Maceo and Gov. Griggs—$2 per dozen, $15 per 100.

Also have a few hundred of the BABY PRIMROSE of true stock from 2 and 2½-in. pots, @ 75 cts. and $1.00 per doz; $5 and $7 per 100.....

W. E. HALL, Clyde, Ohio.

CINERARIA	CYCLAMEN	PRIMULA	PANSY
Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.	Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.	Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.	Rolker's Giant, $5.00 oz.; ¼ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 32 Dey St., New York.

EXTRA FINE..

FIELD CARNATIONS

The kind we all know are good—

Daybreak, McGowan, S. Spray, Kohinoor, Dorner, Portia, Scott, $4.50 per 100; $40 per 1000.

Flora Hill, Triumph, Jubilee, Eldorado, Della Fox, Mrs. McBurney, Pingree, $8 per 100; $50 per 1000. We will add fine tested seedlings for trial with every order.

LAMPRECHT BROS., Ashland, O.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, Atco, N. J.

FIELD-GROWN VERY STRONG

CARNATIONS

Plants ready now at bottom prices, including

Jubilee, Daybreak, Triumph, at $4.00 per 100.

McGowan, Portia, Scott, Meteor, Morello, Ivory—at $3.00 per 100. Cash with order.

ED. KIRCHNER, Winona, Minn.

TO CLOSE OUT!

BRIDES and MAIDS, 3 and 3½-in. pots—guaranteed fine plants, at $15.00 and $20.00.

MORTON GROVE GREENHOUSES,

Paul Kreismann. 27 Market St., CHICAGO.

FIELD-GROWN

Carnation Plants.

10,000 READY NOW.

New and Standard varieties, $4.00 to $10.00 per 100. Write me your wants.

CARL HAGENBURGER, West Mentor, Ohio.

FIELD-GROWN

Carnations!

...SEPTEMBER DELIVERY AND LATER.

We have a very large stock, including

G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN

in good, healthy condition. Send for price list.

F. Dorner & Sons Co., La Fayette, Ind.

Seedling Carnation Plants

Now too large to mail. Extras added to cover expressage. Price, $4.00 per 100. Two sample plants sent by mail for 10c.

TRY FOR THE $50.00 PRIZE.

American Rose Co., Washington, D. C.

CHOICE STOCK.

We have 4000 3-in. BRIDES, MAIDS and METEORS in finest possible condition to plant, and a few hundred 2½-in. All go at 30 per cent. discount, to make room.

Write for figures. They are worth twice the prices we are making.

W. H. GULLETT & SONS, Lincoln, Ill.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.

GREENHOUSES AND ADDRESS JOLIET, ILL.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. THE AMERICAN FLORIST.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

St. Louis Juniors.

The clerks of the St. Louis florists organized a bowling club August 21, to be known as the Junior Florists' Bowling Club of St. Louis. The following officers were elected: Frank Ellis, president; A. Y. Ellison, secretary; Wm. Holtz, treasurer. To be eligible for membership a person must be or have been employed by some florist. The proprietor of a store is not eligible. The following scores were made on the first night:

Name.	1st	2d	3d	Av.
Wm. Holtz	71	152	134	119
A. Y. Ellison	100	106	136	114
Frank Ellis	121	88	100	103
Wm. Adels	112	104	86	101
Henry Betteken	87	103	104	98
Jas. Arado	61	104	100	88
Geo. Augermeier	67	104	90	87

A. Y. E.

Echoes of the Tournament.

It is all over; the great match has been bowled! Still, after the lapse of a week, we can almost hear the bounding balls and the crashing pins, a sound that thrills the heart of the bowler, particularly when the whole ten join in to swell the chorus. There were scores of such cheerful situations, and, alas, more than scores of scores which were almost entirely devoid of such pleasant incidents.

It was a great contest, however. There were ten teams in all, sixty men who were striving to win glory and prizes individually and for their club. There were four teams mentioned as winners or for a place, Buffalo, Chicago, St. Louis and Philadelphia. Detroit was also in the running. Chicago, with that 157 average made in their game with Omaha a few days before, thought it was all over but the shouting, particularly as Asmus would be with them in Detroit. (Pity he got that bad sprain.) What was the trouble, boys? There is a great difference between 157 and 141. They should have brought the great Capt. Anson with them, as he appears to have been their mascot.

Then there were the champions. That cup was to go back to St. Louis, whether or no; they had become accustomed to it and could not live without its presence, giving evidence, as it did at all times, of their skill at the game. There is no question about their ability; they are experts in the art of bowling; what they lack is nerve, for it takes a steady head and hand when the excitement of a tournament is on, and here is where they failed. Their game was the most even of the lot, their second being twenty pins better than their first and their third seventeen better than their second.

Buffalo was picked as the winner probably oftener than any other club. They had confidence in large quantities and started off at a great pace, making 870, and thought that was simply "rotten" as anything less than 900 was almost an impossibility for them. The second game in the fifth frame showed a possible thousand as a grand total, but here their nerve gave out; they became too anxious and, like the man who runs too fast, they fell down, their total being but 890. This was a good game, however, and they led everybody. Philadelphia, their nearest competitor, was distanced by thirty-three pins. Their last game was to be a corker, but here lack of nerve developed and they soon had a very large case of "rattles" on their hands, from which we question if they have even now quite recovered. But one man kept his head; he was William B. Scott, who proved himself a bowler from away back. His score, 177, made under most discouraging circumstances, while it did not pull out his team, landed for him the grand medal for the best score for three games, 507, a record of which he may well be proud.

Philadelphia came to win; they formed a strong attachment for the trophy when it was with them over a year ago. Their first game was a great disappointment; their nerves were also out of order and they were oftener "up in the air" than on the alley. At the end of the first game it looked as if they were out of it, being then in fifth place, but their second game saw them get down to business and roll in their proper form; 936 was the total and it proved to be high game, winning the set of balls offered by the Crawford, McGreggor & Canby Co., of Dayton, O. Their last game also passed the 900 mark, this being the only team to attain this distinction. They won not only the honor of being the champions and the Evans cup, which is now their property, but the trophy offered by the officers of the city of Detroit, which has to be won twice and is a beauty. Individual members of the team also took prizes; D. T. Connor, for greatest number of spares and pins made on same, won a five dollar hat and a five dollar umbrella. He also gets a morocco leather ball case offered by Capt. A. C. Anson, of Chicago, for the second highest number of pins in all games. George Moss needed but to have made an easy spare, in his second game of 205, to have won the high game medal, called the Detroit Hotel trophy, which went to George Stollery, of Chicago, for his great game of 208. The set of six scarf pins offered by the Brunswick-Balke-Collender Company was also won by the Philadelphia team.

St. Louis wins the trophy of the National Florists' Bowling Association for the second highest average in all games and Buffalo, which rolled off a tie with Chicago, won the prize offered by the association to the team having the third best score. The scores in this game were as follows Buffalo, Kasting, 126; McClure, 145; Wm. Weber, 190; Wm. B. Scott, 130; Wm. Scott, 107; Philip Scott, 153; total 851. Chicago, Winterson, 123; Hauswirth, 112; Degnan, 131; G. Stollery, 142; Asmus, 144; F. Stollery, 151; total 803. Buffalo thus won third place by forty-eight pins.

In the individual rolling F. C. Weber and Theo. Bock appear to have both won first place and C. Risch will take third. One of Wm. Scott's sons, George is the name, I think, made 156 in this contest but, not being a member of the society, had to relinquish the prize. This was certainly a case of hard luck; young Mr. George is not yet 17 but is developing into a great bowler and will undoubtedly be on the next Buffalo team. Wm. Bowler Scott (his full name) is a most consistent player. He rolls a medium pace ball from a point between the corner and center of the alley; this is delivered with great accuracy, which is also displayed when spares are to be made. Referring to William's remarks on how the trophies were to be displayed, we would suggest that as there is but the one to show, he take a piece of the "black velvet," place it in the good sized wreath frame, which can then be filled with red flowers; good deep pink asters would do; then attach the medal in the center by some of the "silver strings" and hang the whole piece in the window, with the inscription "Won by my son, Wm. B. Scott, at the florists' national bowling tournament in Detroit." Fill up the balance of the window with palms in lieu of the other prizes and call it finished for this year. Ah! William, there's many a slip 'twixt the cup and (in this case) the window. K.

An Interesting Table.

I was very glad to see that "dem Phillies" brought back the cup from the bowling tournament all right. Now that it's all over I am free to confess we were a bit scared of Buffalo. Philadelphia has had but one first since 1892, at Providence in 1897, while Buffalo had three firsts, as will be seen from the appended table giving the results for the past eight years. We Phillies used to get

TABLE SHOWING STANDING OF CLUBS AND THEIR AVERAGES DURING THE PAST EIGHT TOURNAMENTS.

At	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th
Washington 1892	Phila. 140	N. Y. 132	Boston 129	Wash. 126	Chicago 123	Summit 119	Buffalo 116	Balt. 107	Pittsburg 100	
St. Louis 1893	N. Y. 169	Phila. 153	St. Louis 147	Chicago 134						
Atlantic C'y 1894	Buffalo 141	N. Y. 138	Phila. 132	Flatbush 131	Wash. 126	Boston 122	St. Louis 118	Pittsburg 112	Summit 108	Chicago 97
Pittsburg 1895	Buffalo 153	Flatbush 145	N. Y. 136	Phila. 131	Pittsburg 116	Boston 113				
Cleveland 1896	Buffalo 142	Pittsburg 126	Phila. 125	Chicago 121	Flatbush 116	N. Y. 109				
Providence 1897	Phila. 139	Boston 132	Pittsburg 129	Flatbush 118	N. Y. 117	Fall River 108	Prov. 106	Buffalo 99		
Omaha 1898	St. Louis 137	Phila. 132	Omaha 127	Chicago 126	Cleveland 112					
Detroit 1899	Phila. 146	St. Louis 142	Buffalo 141	Chicago 141	N. Y. 133	Detroit 131	Pittsburg 122	Omaha 121	Cleveland 119	Flatbush 116

first more frequently previous to 1892 and we were afraid our supremacy was on the wane. However, a little study of the table will show that Philadelphia is still well in the lead. A fair comparison by points would be three points for first, two for second and one for third place. Judged by this standard the standing of the clubs which have got as far as third

place in eight years may be expressed something like this:

1 Philadelphia
2 Buffalo
3 New York
4 St. Louis
5 Boston
6 Pittsburg
7 Flatbush
8 Omaha

In this comparison Boston and Pittsburg are tied for fifth place.

It is but fair to mention that Buffalo would have had a better showing had she not been disqualified at Omaha, where she had the highest score. When the prophets are making their guesses for New York in 1900 I commend a little study of this brief history. I did not observe that any of them had Philadelphia even among the "also rans."

G. C. WATSON.

A Belated Chicago Report.

In the practice game played August 11 the following record was compiled:

Name.	1st.	2d.	3d.	4th.	5th.	6th.	Av.
P. J. Hauswirth	143	176	200	163			170
E. F. Winterson	122	153	149	171	164	174	155
L. C. Chapin	155	118	178	131	156	176	152
Jno. Degnan	188	155	120	126	131	145	144
J. F. Wilcox	137	110	133	181	127	152	140
G. L. Grant	183	110	123	151	163	115	140
John Zech	138	101	156	165			140
Walter Kreitling	101	107	148	130	164	164	134
Chas. Balluff	143	140	109				130
Chas. Hunt	151	144	101	110			126

Before proceeding to Detroit Omaha and Chicago locked horns to the discomfiture of Omaha, as follows:

CHICAGO.

Name.	1st.	2d.	3d.	Total.
P. J. Hauswirth	151	137	117	405
John Degnan	233	175	128	536
Fred. Stollery	153	158	179	490
Geo. Stollery	141	176	156	473
E. F. Winterson	156	163	190	509
Walter Kreitling	140	110	162	412
Total	974	919	932	2825

OMAHA.

Name.	1st.	2d.	3d.	Total.
J. F. Wilcox	155	162	161	478
L. C. Chapin	142	132	138	412
J. H. Hadkinson	117	150	153	420
L. Henderson	116	110	82	308
G. Swoboda	145	156	117	418
P. Floth	141	83	135	359
Total	816	793	786	2395

Lenox, Mass.

John Francis Huss, superintendent of the George H. Morgan place, Ventfort Hall, has resigned his position and on October 1 will sail for Switzerland, where he will make his home with his aged mother. Before coming to American Mr. Huss assisted in laying out the parks in the city of Paris and was asked to assist in laying out Central Park, New York. He afterward laid out the Morningside Park in New York and was then engaged by Mr. Morgan to become superintendent of the Ventfort Hall place, which has no horticultural rival in Lenox. It is said that a relative of Mr. Huss has recently left him a fortune in Switzerland, his native country.

BAY CITY, MICH.—Rudolph Boehringer has returned from the convention greatly pleased with everything he encountered in Detroit.

COLLEGE POINT, N. Y.—Anton Schultheis, who sailed for Europe three months ago, returned home August 14. Mr. Schultheis is the president of the Krakehlia Singing Society, and the members of this organization gave him a right royal welcome at Witzel's Hall, where the society holds its meetings.

STRONG FIELD-GROWN **CARNATION PLANTS**

	Per 100	Per 1000
WHITE CLOUD	$10.00	$80.00
EVANSTON	10.00	80.00
FLORA HILL	5.00	40 00
EVELINA	5.00	40 00
NIVEA	5 00	40.00
ARMAZINDY	5.00	40 00
McBURNEY	5.00	40 00
TRIUMPH	5.00	40 00
JUBILEE	$5.00	$40 00
MORELLO	5.00	40 00
ARGYLE	5.00	40.00
DAYBREAK	4.00	30.00
McGOWAN	3.00	25.00
PINGREE	3.00	25.00
TIDAL WAVE	3.00	25.00
ALASKA	3.00	25 00

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS., 51 Wabash Ave., Chicago.

CARNATIONS

VICTOR and DAYBREAK

FROM FIELD.

We have a few thousand fine, strong plants, $6.00 per 100, $55.00 per 1000. Cash must accompany order.

HALLIDAY BROS., 11 EAST BALTIMORE ST., ...Baltimore, Md.

75,000.... FIELD-GROWN CARNATIONS!

Extra fine plants, all carefully disbudded. Ready Sept. 1st.
For prices address

H. W. BUCKBEE, ROCKFORD, ILL.

FOREST CITY GREENHOUSES.

Field Grown **CARNATION PLANTS**

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

THRIFTY FIELD **CARNATIONS**

with plenty of roots. Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

20,000 FIELD CARNATIONS

that must be sold: McGOWAN, PORTIA and SCOTT, fine healthy plants, $4.00 per 100; $35.00 per 1000.
5000 CALIFORNIA VIOLET CLUMPS, $3.00 per 100. MARIE LOUISE and LADY CAMPBELL pot-plants, $3.00 per 100. SWANLEY WHITE, $3.50. All healthy stock. Cash with order.

BENJ. CONNELL, Florist, West Grove, Pa.

Carnation Plants.

EXTRA FINE FIELD-GROWN STOCK, Ready Sept. 1st.

	Per 100	Per 1000
FLORA HILL	$6 00	$50.00
DAYBREAK	5.00	40.00
TRIUMPH	5.00	40.00
WM. SCOTT	4.00	35.00
GENESEE	4.00	35 00
McGOWAN	3 00	25.00
METEOR	4.00	35.00

We have over **20,000** of the above varieties to dispose of. Cash with order.

W. A. WETTLIN, Hornellsville, N. Y.

SURPLUS CARNATIONS!

Strong, Field-grown Plants.

1500 F. HILL,	800 DAYBREAK,
800 TRIUMPH,	600 JUBILEE,
200 WHITE CLOUD,	200 SCOTT,
150 ARMAZINDY,	$5.00 per 100.

Cash with order. **W. SABRANSKY, Kenton, O.**

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

Pittsburg.

SOME GOOD DECORATIONS IN SIGHT.—A NEW CONSERVATORY ORDERED.—RETURNING CONVENTIONITES BRING A TROPHY.

Our florists are anticipating an activity in business owing to the preparations in progress for the reception of President McKinley, who is expected here August 28 to do honor to the Tenth regiment on its return. He will be the guest of Mrs. Robert Pitcairn and the decorations for the occasion will be elaborate.

Geo. Westinghouse has plans prepared by Lord & Burnham for the erection of a new conservatory, the old one being torn away. The structure will be principally of iron. The center will be a palm house and several wings will be added. It will be heated by hot water and the glass will be 16x24. The head gardener there is A. W. Weber, formerly of the Phipps Conservatory at Schenley Park.

The Pittsburg delegates returning from Detroit express themselves highly pleased with the reception accorded at the convention. P. S. Randolph brought the Lockland gunners' trophy. G. O.

Cincinnati.

BUSINESS FAIR.—CONVENTIONITES WERE PLEASED.—MEETINGS OF THE CLUB.—BUILDING IN PROGRESS.

Business has been moving along slowly but as well as we could expect at this season. The boys who attended the Detroit convention speak highly of the Detroit brethren and were well pleased with the convention in general.

A special meeting of the Cincinnati Florists' Society will be held at J. A. Peterson's greenhouses on August 29, at 1 p. m. The next regular monthly meeting will be held at R. Witterstaetter's, September 7. Every one is invited to both these meetings.

George Bruner's Sons are building two houses 16x100 for carnations, and Ed. Fries is putting up five houses to grow general stock for market.

M. Rice, of Philadelphia, was a recent caller. H. SCHWARZ.

PRIMROSE

	Per 100.
CHINESE PRIMROSES, single, mixed 2-in. pots,	$2.00
OBCONICA Grandiflora, 2 in. pots	2.50
" " Rosea	3.00
FORBESII, "Baby Primrose," 2-in. pots	4.00
ASPARAGUS SPRENGERII, 2½-in. pots	4.00
CARNATIONS, field grown	4.00
PANSY SEED, Benary ne plus ultra, ...oz., $4.00; none better	

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Deleware, O.

Azaleas, Bay Trees, Palms, Araucarias,

stock enormous, quality the finest.

SANDER, Bruges, Belgium.

AGENT: A. DIMMOCK,

60 Vesey Street, - - - NEW YORK.

It may be premature to talk

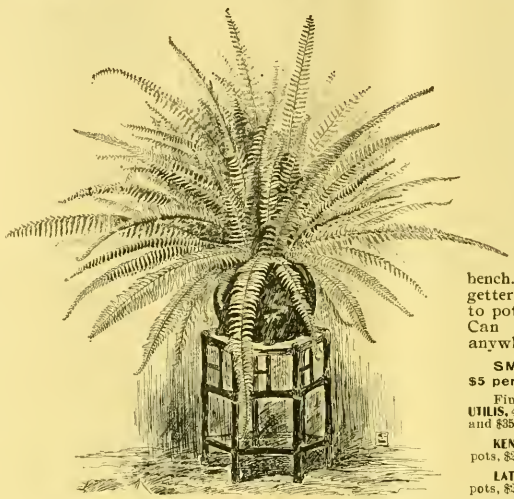
FIELD CARNATIONS!

Nevertheless I wish to remind you that it will pay you to correspond with me if in want of Standards or Novelties. Letters of inquiry cheerfully answered.

S. S. SKIDELSKY,

1653 No. 7th St., PHILADELPHIA.

THE BOSTON FERN!



Elegant Specimen Plants

of this beautiful decorative fern for 7, 8 and 10-inch pots, spread 4 to 6 feet, at 50c., 75c. and $1.00 each, and smaller ones at 20c. and 25c. each for 5 and 6-in. pots. Cut from bench. No better money getter. Send orders now to pot up for fall sales. Can be safely shipped anywhere in the U. S.

SMALL PLANTS, $5 per 100..$40 per 1000.

Fine stock of **PANDANUS UTILIS,** 4½ and 5-in. pots, @ $25 and $35 per 100.

KENTIA BELMOREANA, 4-in. pots, $25 per 100.

LATANIA BORBONICA, 4-in. pots, $25 per 100.

L. H. FOSTER, 45 King St., Dorchester, Mass.

A NEW DECORATIVE PLANT,

Cryptomeria Japonica. Japan Cedar.

A dainty jardiniere evergreen often mistaken at first sight for Araucaria excelsa; as handsome as the latter, BUT not so stiff and formal; much better adapted to the trying atmosphere of living rooms, much more easily grown and ten times cheaper. **4-inch pots, $15 per 100; 2½-inch pots, $9 per 100.** 25 2½-in. for $2.50 postpaid.

ASPARAGUS SPRENGERII, 4-inch pots, $9 per 100. 2½-inch, $5 per 100.

Jackson & Perkins Co., Newark, Yew York.

12,000 ROSES

occupy our propagating houses and must be moved **at once** to make room for **50,000 VERBENA and PETUNIA CUTTINGS.** In order to move this stock **quick** we will offer it at **HALF VALUE** for 30 days. Every plant guaranteed as fine as was ever knocked out of 3½ and 4-in. pots—$4.00 per 100; cheap at $8.00; Meteors, Maids, Brides, Perles and La France. Kaiserin, Beauty and Mrs. Garrett, strong, 3-in., at same price.

Cash. First come first served.

20,000 CARNATIONS, standard sorts, fine plants, $3.50 per 100.

SMILAX PLANTS, strong, ready to string up, at $1.00 per 100; fine cut strings, 6 to 8 ft. long, 15c each.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Orchids!

ARRIVED IN FINE CONDITION. *Cattleya labiata,* C. Mossiæ, C. Speciosissima, C. Harrisoniæ violacea, C. Warneri, C. granulosa, Lælia anceps, L. a. alba, L. autumnalis, L. Prætans, L. Dayana and Burlingtoniæ fragrans.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself. Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept. 15th.

Anton Schultheis, P. O. Box 78, College Point, New York City

Tell your wants in the American Florist.

PRIMROSES.

Chinese, 3 colors,
Obconica Hybridum,
" Fimbriatum,
3-in. pots, fine stock, ready for 5-in. pots, $5.00 per 100.

ROSES....

THE BRIDE, 3½-in. pots, as strong as generally sold from 4-in. pots, $5.00 per 100.

CYCLAMEN.

Finest strain in 4 colors, 2½-in. pots, $5.00 per 100.

CHRYSANTHEMUMS

We still have a quantity of the best varieties, suitable for late planting. Our selection from 2-in. pots, $2.50 per 100; $20 per 1000; 250 at 1000 rate.

Nathan Smith & Son, ADRIAN, MICH.

WHO HIT BILLY PATTERSON?

Yes, who did? Well, we must confess that we can't tell you, and if we could it would do you no good

THE BURNING QUESTION of the day, however, is "who has the best Violet Plants for the least money?" We now have in stock, ready for immediate shipment **10,000** Princess of Wales from 2½-in. pots, **$20.00 per 1000.**

TO RELIABLE PARTIES we do not require one cent until they receive plants.

THE VIRGINIA FLORAL CO.,

C. & O. R. R. Lindsay, Va.

Crabb & Hunter,

VIOLET SPECIALISTS,

Orders booked now for field-grown plants. Write for prices. **Bridesmaids;** a few hundred fine plants cheap, 4-in. pots, $5 per 100. Who wants 'em? **Smilax** from 2½-in. pots, good bush plants, $1.25 per 100.

Grand Rapids, Mich.

We've thousands of readers and hundreds of advertisers. Each helps the other.

CARNATION CUTTINGS
ALL SOLD.

ASPARAGUS SPRENGERII, in 3, 4 and 6-in. pots. BABY PRIMROSE, 4-in. pots. ORACÆNA INDIVISA, 5 and 6-in. pots. Liberal discounts for liberal orders. All shipments will be well packed. We will endeavor to please you. Send in your orders early. Write us your wants; we can supply them.

We are now booking orders for fall delivery; fine plants from the field. Guaranteed strong, vigorous plants free from disease, of all leading varieties.

WRITE US YOUR WANTS.

LAKE VIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms.
JAMESTOWN, N. Y.

LIBERTY. LIBERTY. LIBERTY.

Place your order now and be sure of getting the best stock. Delivery begins March 20th, 1900. All orders filled strictly in rotation. Satisfactory reference or cash deposit from all unknown correspondents. Prices as follows:

OWN ROOTED PLANTS FROM 2½-IN. POTS.		CRAFTED PLANTS FROM 2½-IN. POTS.	
50 plants and over and less than 100	$0 50 each	50 plants or more and less than 100	$0 50 each
100 " " no to 1000	25 "	100 " and up to 1000	40 "
1000 " " over	200.00 per 1000	1000 " or more	350 00 per 1000

3-in. pot plants, 5c. each additional. 3-in. pot plants 5c. each additional.

F. R. PIERSON CO., Eastern Agent, Tarrytown-on-Hudson, N. Y. ERNST G. ASMUS, West, Hoboken, N. J. VAUGHAN'S SEED STORE, Western Agent. 84 and 86 Randolph St., Chicago.

Please mention American Florist when writing.

LAST CALL

FOR ROSE PLANTS

MAIDS, 2-in.. $2 per 100
BRIDE, " $2 "
BRIDE, 4-in. $5 "

REINBERG BROS.,
51 Wabash Ave., CHICAGO, ILL.

ROSES!

STRONG 3-IN. BRIDES AND MAIDS.....
$5.00 per 100, $45 00 per 1000.
2½-in., $25.00 per 100.

HARKETT'S FLORAL NURSERY,
DUBUQUE, IOWA.

ROSE PLANTS.

To close out—2000 MAIDS. $3 per 100; $25 per 1000. All fine stock. Cash with order from unknown parties.

BRANT & NOE,
FOREST GLEN, - ILL.

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,
42 W. 28th St., - NEW YORK CITY.

ROSE PLANTS.

FINE HEALTHY STOCK.	Per 100
METEOR, 3 and 4-in.	$4.00 and $6.00
BRIDE, BRIDESMAID and PERLE, 3-in.	4.00
PRES. CARNOT, 3-in.	6.00
BEAUTIES, 3½-in.	6 00

BROWN & CANFIELD, Springfield, Ill.

ROSES.

BRIDE, BRIDESMAID, PERLE, WOOTTON, MME. CHATENAY, 3 and 4-in. pots, $5 per 100.

The above are all good, strong stock, fit for immediate planting.

EVENDEN BROS., Williamsport, Pa.
Mention American Florist.

FIELD-GROWN CARNATIONS!

Strong plants, clean and ready for immediate planting.

	Per 100	Per 1000		Per 100	Per 1000
JUBILEE	$5.00	$45.00	MAYOR PINGREE	$3.50	$30.00
TRIUMPH	5.00	45.00	EVELINA	3.50	30 00
FLORA HILL	5.00	45.00	McGOWAN	3.50	30.00
ARGYLE	4.00	35 00	ALASKA	3.50	30.00
ARMAZINDY	4.00	35.00	BON TON	3.50	30.00
TIDAL WAVE	3.50	30.00	SCOTT	3 50	30.00

Wietor Bros., 51 Wabash Ave., Chicago.

FORCING ROSES

In First-Class Condition for Planting Up.

	Per 100
BRIDES, 2½-in.	$3.00; 3½-in. $8 00
BRIDESMAIDS, 2½-in.	3.00; 3½-in. 8.00
METEORS, 2½-in.	3.00; 3½-in. 8.00
PERLES, 2½-in.	3.50; 3½-in. 9.00
MRS. R. GARRETT, 2½-in.	4.00; 3½-in. 10.00
PAPA GONTIER, 2½-in.	4.00; 3½-in. 10.00
AMERICAN BEAUTY, 3-in.	8.00; 3½-in. 12.00

2-in. pots, ready for 3-in. at $2.00 per 100.

An assortment of TEAS and HYBRID TEAS as per recent adv. in this paper.

ACALYPHA SANDERI, ORDER NOW.
Strong, 4-inch. $20.00 per 100
Strong, 5-inch. 35.00 per 100

BABY PRIMROSE (Primula Forbesi).
Strong plants, in bloom, at $1.25 per dozen; $8.00 per 100.

BAY TREES,
In extra fine condition; in Standards and Pyramids, all sizes. Write for prices.

POINSETTIAS, strong, stocky plants, now in 3-inch pots, ready for a shift, per 100, $10.00.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.
Greenhouses: WESTERN SPRINGS, ILL.

CHEAP—1,500 ROSES,

VERY STRONG, 3-INCH.

Maids, Brides, Meteors and Perles at $3.00 per 100, $25.00 per 1000 cash. Will exchange for Carnations or 'Mums. American Beauty at $5.00.

ALBERT FUCHS, 2059 N. Halsted St., Chicago

FIRST QUALITY FORCING ROSES!

Perfectly Healthy and Grown Especially for Late Planting.
Only selected growth from flowering shoots used in propagating.

SUNSET, SAFRANO, PRES. CARNOT, KAISERIN, METEOR, MAIDS, WOOTTON, PERLE, MME. HOSTE,
3-inch pots, $7.00 per 100; 4-inch, $10.00 per 100.

400 GRAFTED BRIDESMAIDS, 3 1-2 POTS, $12.00 PER 100.

J. L. DILLON, Bloomsburg, Pa.

AMERICAN BEAUTY Bridesmaid. Perle. Bride. Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS. A. S. MacBEAN, Lakewood, N. J.

Please Mention Us To Our Advertisers.

Buffalo.

HOT WEATHER AND DULL DAYS.—OUTSIDE STOCK POOR.—VACATIONS.—WESTCOTT EXTENDS SYMPATHY.

It has been very hot and trade is very dull. Last week nearly everyone was at Detroit and there are few events to chronicle. Sweet peas and asters are about at an end but there are a few good roses and Scott carnations. There was a shower August 21, the first in a month. Palmer's lilies still make a good show.

George Schmid, foreman for W. A. Kasting, is enjoying his vacation; so is W. H. Grever, chief clerk for W. A. Adams.

Mr. and Mrs. George E. Fancourt, of Wilkesbarre, Pa., were recent visitors.

John Westcott, of Philadelphia, called Monday and extended sympathy.

S. A. Anderson is able to be about again. W. A.

Cleveland.

The pilgrims to Detroit came back to us all right and were received with open arms—all but the bowlers; the fate of the latter is not as yet determined, but it will doubtless be something slow and lingering.

Of business there is nothing to say. The weather, however, is exceedingly dry. According to official reports, we have had only about one-fourth of the normal rainfall for August and stock outdoors is suffering accordingly.

Martin Reukauf, representing Bayersdorfer & Co., was a recent caller. A.

FISHKILL-ON-HUDSON, N. Y.—Benjamin Hammond reports good demand this season for his "greenhouse-white" paint and says that his customers are much pleased with it.

Home Again!

from an extended tour through Europe, I find my stock of Palms, Ferns, Dracænas, Pandanus and other foliage plants in better condition than ever, crowding every inch of my greenhouses, and to make room for specimen plants of all kinds, will sell stock at moderate prices.

Do not fail to get some of the truly grand new fern **Washingtoniensis**, of which I have an excellent stock. For descriptions and prices see page 1399 of the AM. FLORIST of June 24.

Write for Special Prices.

N. STUDER, Wholesale Florist. **Anacostia, D. C.**

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description).

I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00

Price for 100 or more on application.

John H. Ley,

Good Hope, WASHINGTON, D. C.

Smilax.

Fine plants out of 2-inch pots, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

CASH WITH ORDER.

Stock Plants and Pot Plants

	Per 100
COLEUS, 40 varieties, named	$5.00
CARNATIONS, Empress and Psyche	5.00
PETUNIAS, double fringed, 22 varieties, mixed, 2½-in.,	4.00
" " ruffled, 15 " " " "	3.00
GERANIUMS, Harmine and La Favorite, 3-in.,	3.00
ALTERNANTHERA, 3 varieties, named, 2½-in.,	2.00
FERNS—Timber Ferns, dormant, for 6-in. pots	10.00
LATANIA BORBONICA, 30 in. high, 5 leaves	30.00
ASPARAGUS PLUMOSUS, 6-in.,	25.00
LYCOPODIUM DENT., good for design work	2.00
ADIANTUM CUNEATUM, 2½-in.,	5.00
" true MAIDENHAIR "	5.00
NEW YELLOW BABY PRIMROSE, 2¼-in.,	10.00
NEW GERANIUM, De Roo Mitting, 2½-in.,	10.00
PRIMLUA, Chinese, Alba, Rubra and mixed....2¼-in., per 1000, $18.00;	2.00
" Japonica Alba, 2¼-in.,	2.00
BEGONIAS, flowering—A. Hunnewell, Mme. Charrat, Red Rubra, White Rubra, Cilbina, Argentea Guttata, M. de Lesseps, Erfordii, Red Vernon, Weltoniensis, Fuchsioides, Albo-picta, Sanguinea, Sandersoni, Hybrida Rosea and Semperflorens Rosea, 2¼-in.,	2 00
BEGONIA REX, 6-in.,	15.00
MITTING'S GIANT-FLOWERING PANSY PLANTS, per 1000,	4.00

5 plants at 100 rates (CASH).

YEARLY CAPACITY, 5,000,000 PLANTS.

THE MORRIS FLORAL CO.,

MORRIS, ILL.

CHINESE PRIMROSES.

Ready for 3-in. pots; well known throughout the U. S. and Canada as the finest large flowering fringed varieties grown. SINGLES, named—$2.50 per 100, $20.00 per 1000; DOUBLES, named, $4.00 per 100, $35.00 per 1000. Extra plants added to help pay the expressage.

PRIMROSE SEED of best 13 varieties, single and double, mixed, 400 seeds, $1; half pkt., 50 cts.

....GIANT PANSY SEED....

The best of mammoth varieties; no finer ever offered; all the seed plants critically selected; Pkt., 3500 seeds, $1.00; half pkt., 50 cts

A pkt. of the beautiful new Forget-me-not "Jewel" added to every order for seeds.

STRICTLY CASH PRICES.

THE HOME OF PRIMROSES. **JOHN F. RUPP, SHIREMANSTOWN, PA.**

BEGONIAS

Assorted varieties from 2-in. pots.

$2.00 per 100.

EXTRA STRONG.

GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**

CASH, PLEASE.

Edward B. Jackson,

STAMFORD, CONN.

BABY PRIMROSE,

12 for $1.50, $10.00 per 100 by mail.

ASPARAGUS SPRENGERI,

25 for $1.50 by mail, $4 per 100, express.

ACALYPHA SANDERI,

12 for $3, 100 for $25 by express.

SWEET-SCENTED CALLA,

12 for $1, 100 for $6 by mail.

New YELLOW CALLA Lemon Giant,

Large bulbs, many eyes, $7.50 for 12.

BEGONIAS, Tuberous, $2.50 per 100.

A. BLANC & CO.,

PHILADELPHIA.

Cyclamen Giganteum

IN.... VARIETY.

FINE PLANTS in

2½-in. pots.....$4.00 per 100
3 " 8.00 "

EDWIN LONSDALE,

Money order office, Chestnut Hill, (Sta. H.) Philadelphia, Pa

Wyndmoor, Chestnut Hill, PHILA.

HERR'S PANSIES

A customer who bought 100 last season, writes: "Book my order for 10,000, to be delivered Oct. 1st, if as good as last season.....

PLANTS ONLY. Price...

Free by mail at 75c. per 100; 250 for $1.50; 500 for $2.50. By Express, $4 per 1000.

ALBERT M. HERR,

LANCASTER, PA.

"CO-OPERATION IN EARNEST."

I WANT YOUR TRADE AND YOU NEED MY PAINT.

JOHN HOAG, PRESIDENT.
CHAS. P. MARSDEN, JR., SECRETARY.

CAPITAL $200,000. SURPLUS $100,000.

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HOWARD WILLETS, 2nd VICE PRES.

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YONKERS, N. Y., August 21st, 1899.

MR. BENJAMIN HAMMOND Fishkill-on-Hudson, N. Y.

My Dear Sir:—In answer to your communication of the 10th instant, permit me to reply that I have used your "Greenhouse white" paint during the past 20 years both on my dwelling house and greenhouses with very satisfactory results.

In the case of my dwelling the paint stood the test of 10 years' wear remarkably well and was perfectly solid with a good body at the end of that period.

Greenhouses, as everyone knows who has had experience with them, are hard on paint. I have tried lead and oil and several brands of ready mixed paint, but have found nothing better than your "Greenhouse White."

Very truly yours, JOHN HOAG.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N.Y.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

PARSLEY, strong plants 35c per 100; $2.50 per 1000; if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr. & SON, White Marsh, Md.

SMILAX. Strong one year old plants, 2½ and 3-inch pots. $2 50 per 100, $20 a 1000.

Choice New SMILAX SEED, 25c. per oz., $4 per lb.

PAEONIES for fall planting in choice assortment, $10 per 100.

CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

CYCLAMEN, PRIMULAS, CINERARIAS.
FINEST STRAIN IN THE WORLD.

Cyclamen Persicum Splendens (gig) in four assorted colors, fine plants from 3-inch pots, $8.00 per 100; $75.00 per 1000.
Chinese Primroses (fringed foliage), best market varieties, single, from flats, $2 00 per 100; from 2-in. pots, $2 50 per 100. Double white and red from 2½-in. pots, $4.00 per 100; single blue, same price.
Cineraria Hyb. Maxima grandiflora and nana, from flats, $1.75 per 100. SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

CHRYSANTHEMUMS.

Standard varieties nearly sold out. See AMERICAN FLORIST of July 20th for novelties.....

H. WEBER & SONS, Oakland, Md.

TOBACCO DUST
BY CAR LOADS, ETC.

Now is your time, while I have a surplus, to get your supply, to the trade only, at $12 per ton in car lots of 12 tons; 2000 lbs., $1.15; $7.50 for 1000 lbs.; $1 for 500 lbs.; $1 per 100 lbs. Mixed Dwarf CANNA BULBS, ready this fall, $7 per M. The above prices are for cash only.

M. T. THOMPSON, RIO VISTA, VA.

CAUSPERLEPTHA!
A SURE REMEDY FOR
Carnation Rust, Stem Rot and Black Spot on Roses.

Spray your plants when brought into the house with Causperleptha and get rid of these greatest of evils.

Having discovered and used this preparation for a number of years, I have repeatedly been asked to place it on the market for the benefit of all concerned. It is a sure remedy and has never failed to keep plants clear by constant application. One gallon diluted makes 130 gallons. It is perfectly harmless to plants and gives them a rich, glossy foliage. Directions with every can. No Florist should be without it.

PRICE PER GALLON $2.00.
Special Prices on larger quantities.

C. H. RONEY, JAMESTOWN, N. Y. P. O. Box 259.

HARDY PINKS HER MAJESTY, SOUV. DE SALE, GERTRUDE, LAURA WILMER, ALBA FIMBRIATA, 2½ inch, $4.00 per hundred.

VIOLETS: Marie Louise, Russian, Swanley White, Shonbrun, 2½-in. $3.00 per hundred.

The Conard & Jones Co., West Grove, Pa.

GERANIUM AMERICA

is in full bloom just now; color effect in full sun is of deepest clear rose. Sun proof, you bet; dwarf, yes, very dwarf.

READY NEXT SPRING. HENRY EICHHOLZ, Florist, WAYNESBORO, PA.

"NICOMITE"!
(PATENT.)
Vapor Insecticide.

NO LABOR REQUIRED. HARMLESS TO BLOOM AND FOLIAGE.

A Certain Killer of RED SPIDER, GREENFLY and Other Insect Pests.

THE TOBACCO WAREHOUSING AND TRADING CO., Sold by Seedsmen. LOUISVILLE, KY.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN—CIRCULAR FREE—SKABCURA DIP CO. CHICAGO.

Kill and Save the Blooms Bugs! QUICKLY DOES IT.

A good adv. in a good paper will bring good returns.

Erie, Pa.

Notwithstanding the advanced prices of building material, especially glass, E. C. Hill is building an additional rose house and the Schluraff Floral Co. will soon add a violet house to their plant.

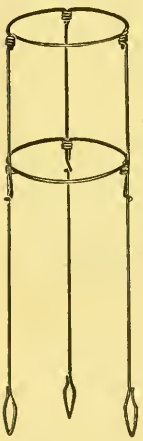
John V. Laver, for the past nine years in the employ of Henry A. Niemeyer, has recently embarked in business with three modern houses, each 20x100. Mr. Laver will give his attention to carnations principally, though in course of time he will also grow roses and violets.

The noteworthy event of the season is the retirement of Henry A. Niemeyer from business. Alfred Bauer, for the past four years with H. W. Buckbee, of Rockford, Ill., has leased the greenhouses and store and takes charge of the establishment September 1. Mr. Niemeyer, whose health during the past summer has not been of the best, will take a much needed rest.

John Trost is thinking about adding another rose house to his plant. Trade, he says, has been unusually good all along. HOMO.

VIRGINIA, ILL. — Andrew Reither is rebuilding, enlarging and modernizing his greenhouses and heating syetem.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.,
Dear Sir:—Your Model Carnation Support is all right in every way and will no doubt be considered as necessary as good plants with growers when better knowo I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900 Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y. Feb. 18, '97.
MR. THERON PARKER.
Dear Sir.—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb 18, '97.
MR. THERON PARKER.
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing you every success in the sale of them, I am Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes

AT LOWEST PRICES.

Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

REED & KELLER.....
Florists' Supplies
122 W. 25th St., NEW YORK CITY.

HAIL For Insurance Against Damage by Hail Address
JOHN G. ESLER, - Sec'y F. H. A.,
SADDLE RIVER, N. J.

GREENHOUSE WOODWORK.

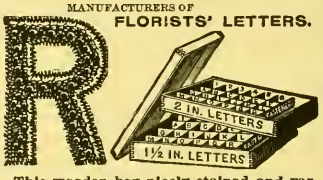
Open-air-dried Cypress Lumber is more durable, and better suited to Greenhouse conditions, than kiln-dried stock. But you cannot get it from those that are engaged in the business in a small way—even though their entire business is confined to greenhouse material—for it takes a long time tor the lumber to thoroughly dry and this means an investment in lumber that only those of large capital can make. The only way to have air-dried lumber is to buy green lumber and hold it until it dries. Those that order dry lumber from the producers of Cypress get kiln-dried stock. It is cheaper for them to kiln-dry than to hold the stock long enough to season it in the open air. We carry a large stock and fill all orders with open-air-dried Cypress clear of knots, sap and all other defects.

Write for Circulars or Estimates.

Lockland Lumber Co.
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M. RICE & CO.,
EXCLUSIVE IMPORTERS AND MANUFACTURERS OF..... **Florists' Supplies.**
New Illustrated Catalogue Free for the Asking. · 918 Filbert St., PHILADELPHIA

Boston Florist Letter Co.
MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1¼ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

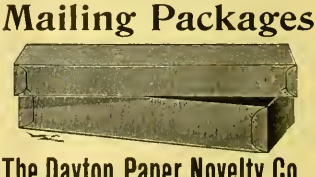
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84 Hawley St., BOSTON, MASS.

H. BAYERSDORFER & CO.
Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.
New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.
H. BAYERSDORFER & CO.
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN
Manufacturer of **Florists' Supplies**
Send for a price list.
404-406-408-410-412 E. 34th St., NEW YORK

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.
Please mention American Florist when writing.

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,
DAYTON, OHIO.

STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate,	$4.88	120 7-in. pots in crate,	$4 20
1500 2½ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	5 00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address
HILFINGER BROS. POTTERY, OR.... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents
52 DEY STREET, NEW YORK CITY.

MASTICA
FOR GLAZING GREENHOUSES.
Proven superior to putty. Easier to apply and stays on. Not affected by extremes of weather. Endorsed by prominent florists. If not on sale by your dealer send for descriptive circular of Mastica and Mastica Glazing Machines, to
F. O. PIERCE CO., Sole Manufacturers, 170 Fulton St., New York.

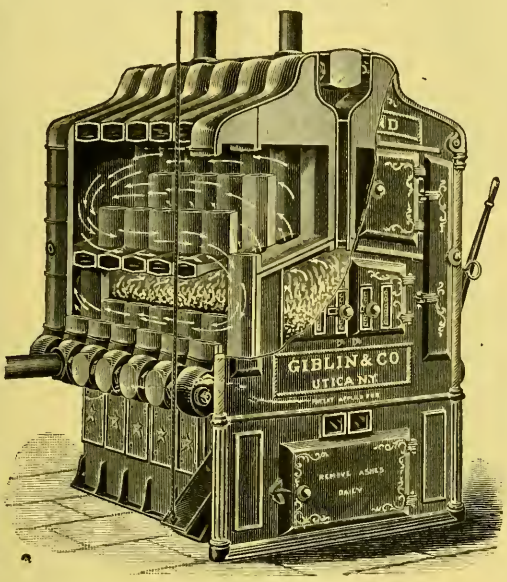
STANDARD FLOWER POTS

FIRST QUALITY.		CREAM COLOR.	
1¾ in., per 1000	$2 40	3½ in., per 1000,	$ 4 95
2 in., "	2 75	4 in., "	6 20
2½ in., "	3 35	5 in., "	10 80
3 in., "	4 70	6 in., "	16 50

Packages extra.
C. HENNECKE CO. MILWAUKEE, WIS.

OUR DIRECTORY FOR 1899 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

UP-TO-DATE FLORISTS



know that more is gained by preventing the increase of the outgo than by increasing the income. Wasteful methods of doing business will destroy all. . .

Profit....

and prevent the commercial florist keeping up to the times and to his competitors. The expense for heating is a large one and where a florist secures proper heat, economizes labor, economizes fuel and has no repairs, he is in a much better position to meet the demand of the times for popular prices from florists.

Some boilers have the sole merit of being CHEAP and.....

Can Be...

bought at a low price. One WINTER'S use shows that while the price is low for the boiler, it is high for scrap iron, which is about all such boilers are good for.

Our boilers are.....

Distinguished

for their success and we have had no failures. Every florist who has used our boilers finds all anxiety about heating entirely removed. We have sizes in steam and hot water for any demand and can name a price delivered at any station in the United States, and a special price is given where we have no boilers in use.

GIBLIN & CO.,

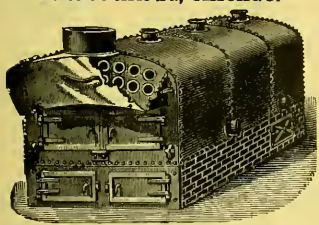
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Greenhouse * Boiler,

29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around front, sides and back). Write for information.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,

HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.



GEO. KELLER & SON,

MANUFACTURERS OF

Flower Pots.

Before buying write for prices.

361-363 Herndon Street near Wrightwood Ave., CHICAGO, ILL.

Say: "Saw it in the FLORIST."

WHEELER-STENZEL CO.

IMPORTERS AND JOBBERS OF

Greenhouse Glass

Make your contracts for next season now. We can deliver to any part of the country and Save You Money.....

72 Sudbury St., BOSTON, MASS.

When writing mention American Florist.

FLOWER POTS

ALL KINDS.

STANDARD POTS

A SPECIALTY

List and SAMPLES FREE.

J. G. SWAHN'S SONS, P. O. Box 73, MINNEAPOLIS, MINN.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

Mention the American Florist.

Standard Pots

Made by KELLER BROS.

Good Railroad Facilities For shipping.

Special Attention Given to Mail Orders, and Special Sizes Made to Order.

NORRISTOWN, PA.

Price Lists Furnished on Application.



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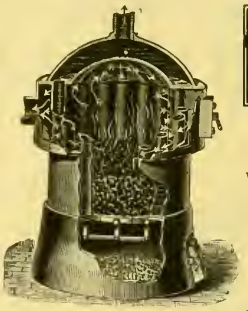
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SKOWHEGAN, ME.—Chas. Leighton has sold out to H. R. Mitchell & Son, of Waterville, who will conduct the establishment as a branch.

ANSONIA, CONN.—The business of the late Morris A. Hill will be continued by his heirs under the name of the Hill Floral Co.



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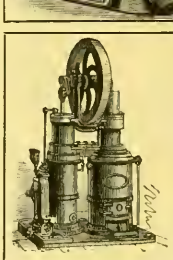
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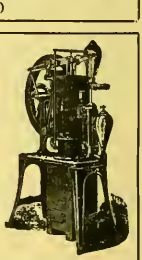


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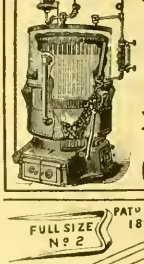
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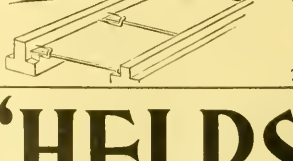
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Vol. XV. **CHICAGO AND NEW YORK, SEPTEMBER 2. 1899.** **No. 587.**

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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Convention and Other Notions.

The hail association was one of the first offsprings of the good old S. A. F. A Hail Association could have been started, no doubt, without the aid or the patronage of the S. A. F., but it did not materialize, and there are none who can truthfully say that the F. H. A. in its early youth was not very carefully nurtured under the sheltering wings of the parent society. It was a surprise to many when it was first made known that risks were accepted and membership enrolled in the F. H. A. to others than members of the S. A. F. It has long ago passed beyond the stage, we are afraid, when the two organizations could be a part and parcel of each other. Would it not be a becoming act for all those who have received financial aid from the Hail Association and have never contributed membership fees to the S. A. F., to become life members of the mother society? That would be paying grateful tribute to a worthy cause; at the same time it would be a graceful act to indulge in. It is possible that the membership in the Hail Association is twice that of the S. A. F., but they did not "show up" at Detroit. Those belonging to the F. H. A. and who do not belong to the S. A. F. know it and ought to feel derelict in their duties towards the older society. The consciences of those who belong to both are quite easy on that score.

A lot of valuable time was lost in counting the votes for the nomination of officers. The author of the amendment making the secret ballot to nominate a law ought to move for its repeal. It would be allowed to pass into oblivion where it belongs without a dissenting vote, we believe. Very little time was lost in the S. A. F. conventions prior to the introduction of the present plan of nominations. If a short speech was sometimes made presenting the respective candidates for the various offices for the consideration of the members desiring to vote, it rarely took longer than five minutes, and frequently the mention of the name was all the time that was taken. Possibly no person took account of the time spent in counting the ballots at the meeting held at Detroit, but it seemed very, very long to most members present; not taking into account the distributing of the blank ballots and the collecting of them after they had been marked. Altogether too cumbersome for America. It is more according to up-to-date ideas—open and above board—to nominate in open convention, besides saving much valuable time. Let's get back to the good old way.

What has become of the new Columbia rose, about which so much was expected last year? Little or nothing was said about it between sessions at Detroit, but with Liberty it was different; many were the favorable comments made about it and its prospective good qualities, and many orders were booked for next spring, one of which was for 5000. Lots of all kinds of stock changes hands on the quiet at all these conventions. It is a great pleasure, as well as very satisfactory, to come in contact with a possible customer, and to meet with our old and more or less regular customers is even more so. It is quite out of the question to attempt to estimate how much in money value changes hands at these conventions, some of which has actually been known to occur at the dinner-table between sessions and also during the time an exciting sporting contest was in progress, when the interested parties to the deal were apparently solely absorbed in the "shoot" or the bowling; but it is the coming together in annual conventions that makes just such practical and mutual benefits possible.

President-elect Wood may well feel thankful that the fates willed it otherwise than he should be the presiding genius at the meeting held at Omaha where the convention was somewhat slimly attended last year, and have selected him to shape the destiny of the organization during the coming year, when it will be held in that great metropolis, the city of New York. In numbers it ought to be the best attended for a number of years, and if trade in general, as it looks quite likely to be, is good, the enthusiasm must be immense, for the good times coming are as fully appreciated when realized by our craft if not a little more so than it is in other walks in life, and by all of us conscientiously working for the general improvement of the profession along all lines without endeavoring to minimize what has already been done much more genuine good will be accomplished.

President-elect Wood is ambitious to make his administration in the S. A. F. the banner one. It may be made so if everyone interested will put his shoulder to the wheel and help all he can. It is, however, likely to be a memorable one whether all who can help the good work along does so or not. To stand aloof at conventions and look for opportunities to criticise adversely is not the correct spirit to engender.

Why did not your talented scribe, George C. Watson, go back to the beginning of the bowling contests connected with the S. A. F.? The international one at Toronto surely was worthy of mention, especially so when New York and Philadelphia tied for first place and in the half-game roll-off Philadelphia came out away ahead.

It was a large surprise to many of Treasurer Beatty's friends when his opponent polled so many more votes than he did at the nomination for that important office, but it seemed to be a larger surprise for the opposition when at the election the numbers were so emphatically reversed.

We must commend the work of the Co-Operative Purchasing Committee which has done so much earnest and unselfish work for the benefit of the members of S. A. F., and the good accomplished is not likely to be soon forgotten and will be like bread cast upon the waters; it may be seen after many days.

Among the ex-presidents on hand at the meeting held at Detroit were, Robert Craig, E. Gurney Hill, John N. May, James Dean, Edwin Lonsdale, William Scott and Adam Graham. Those who were absent were so unavoidably, we hope.

SOLOMAN WISE.

National Export Exposition at Philadelphia.

An æsthetic feature in the adornment of the exposition grounds will be a profusion of seasonable flowers, evergreens and shrubbery, and the attractive arrangement that will be made of them. Plans have been formulated for this beautiful and cheerful display, the execution of which will give to visitors as they approach the building a most refreshing and alluring view.

Eight flower beds 50x15 feet will be planted down the middle of the esplanade from the main entrance of the grounds to the main building. The esplanade being eighty feet wide and paved with asphalt blocks, these large plots of flowers and foliage along its center line will add greatly to its beauty. Flower beds and potted plants will be artistically set on either side of the entrance to the main building, also along the sides of the main structure and between the Implement and Transportation buildings. Other open spaces will also be made attractive by the florist's art and evergreens grouped around the ends of the pavilions. All landscape work and floral decoration will be under the direction of the Florists' Club of Philadelphia, which will also supply the flowers, plants and shrubs.

A beginning will be made by planting flowers which make a display throughout September and October, and of which there are many, of gorgeous coloring, blooming until cut down by frost. Steps will be taken to give protection from the early frosts, insuring a display throughout the delightful Indian summer weather that invariably follows the first cool days of autumn. Then chrysanthemums will be utilized for a most attractive display and later other half-hardy plants and shrubs. Evergreens will be a feature of the landscape decorations. There are many varieties having foliage ranging through all shades of yellow and green, which can be most effectively used in decorative combinations.

The arrangements are in charge of the following committee of the Philadelphia Florists' Club: George C. Watson, chairman; David Rust, secretary; Edwin Lonsdale, Robert Craig, Thomas B. Meehan, Jno. Westcott, Wm. Warner Harper, Robert Kift and A. Blanc. There are still some spaces left; should any one desire to make a display apply at once to the secretary or any member of the committee, or to Edward Campbell, the landscape gardener, who has been intrusted with the work of laying out and superintending the planting. The exposition opens September 14 and closes December 1.

Small Easter Lily Bulbs.

When the crop of the Easter lily bulbs is scarce and the larger sizes hard to get, the smaller 5 to 7 bulbs can be readily made to take the place of the higher grades and with quite as much profit. Three 5 to 7 when placed in a six-inch pot will readily produce from seven to ten flowers and make a more salable specimen than a single plant with the same number of blooms. For the Decoration Day trade Robert Craig & Son had a large block of such lilies, from one of which the accompanying illustration was made, which were



EASTER LILIES IN 6-INCH POT.

satisfactory in every respect. They were a nice height and scarcely any of the pots produced less than seven flowers, the great majority bearing from nine to ten blooms. A Boston grower of lilies, mostly longiflorums, has said that "short and dumpy" plants were caused by their receiving a check from being cooled off on account of apparently coming in too soon, and that this was almost sure to cause failure. When once started they should be kept moving with a uniform temperature and there will be no trouble. This was the only point that he was particular about, and by using ordinary care in watering he has not as yet had a failure either with longiflorum or Harrisii.

K.

JAMESTOWN, N. Y.—B. A. Bartlett has removed his store to a larger and more attractive quarters.

Hydrangea Paniculata Grandiflora.

The notes which have recently appeared in your columns in relation to Hydrangea Hortensia lead me to refer to another most useful species, H. paniculata grandiflora. This one is probably of more value to the florist than H. Hortensia, producing, as it does, its large panicles of white flowers during August and later, when flowers of this color are usually scarce.

It is pretty well understood that, unlike H. Hortensia, this species may be pruned as severely as desired, with no loss of flowers. The result of close pruning is to lessen the number of shoots and increase the size of the heads of flowers. The florist will consider whether it suits him better to have a few large heads or a greater number of smaller ones, and regulate his pruning accordingly.

Left to grow naturally we get our first flowers in early August, but it may be a useful hint to some to say that a partly broken branch will bloom earlier than others. A slight twist or break given a branch will cause the flower heads to expand sooner, and in this way flowers can be had two weeks before the perfect ones.

To prolong the season, cut back some of the young shoots when about a foot in length, which, with us, is about the first week in June. New shoots will form, which will flower about the time the others are over. Still another way is to set out plants very late in spring. By the time their growth is well advanced the earlier ones will be well ahead of them, and this difference will be kept up throughout the season.

Of the typical form, H. paniculata, not H. paniculata grandiflora, there are two well marked varieties, and one of these, at least, should prove of value to florists. I refer to the early and the late flowering ones. The early one is through blooming before H. paniculata grandiflora comes in. The late one comes in with H paniculata grandiflora. Neither makes the fine display the latter does, but where white flowers are desired the early flowering H. paniculata would be found useful.

The hydrangeas are easily propagated either by green cuttings in greenhouses in summer or by layers in the open ground, the cuttings and layers rooting readily. By these means immense quantities are raised without much expense, which accounts for the low rates at which they are generally sold.

What would there be in the forcing of this hydrangea? Probably not enough to pay. It takes outdoor plants about three months of growth to reach the stage of open flowers. At this rate plants started in the greenhouse at New Years would bloom about the first of April.

JOSEPH MEEHAN.

Philadelphia.

Hybrid Delphiniums.

For the back of the hardy plant border there are very few plants that can excel the hybrid delphiniums. The tall stately, spikes of spurred flowers, varying in color from dark royal blue to light silvery blue with white and pink shadings, are distinct and effective. The first flowering period is from about the end of June until the end of July, but if the spikes are cut off as soon as shabby a succession can be had almost up to hard frost.

Delphiniums are very hardy and soon form large clumps if the soil is kept rich and moist by mulching or by the application of liquid manure during the growing season. Much benefit is derived from a good dressing of well rotted manure



MEMBERS OF THE CHICAGO FLORISTS' CLUB AS GUESTS OF THE CHICAGO CARNATION CO., JOLIET, ILL., AUGUST 31.

applied as soon as growth has been killed by frost. Named varieties can be increased by division and seedlings are easily raised. The latter, however, cannot be depended upon coming anywhere near to the named varieties, a large proportion usually reverting to the single type with half opened flowers.

Within the last few years there have been great improvements in the size and shape of flowers and length and fullness of spikes. There are a number of first-class varieties in cultivation, but, as with other families, various names have been given to what are practically the same sorts. We have ten varieties on trial now and have found them satisfactory in size and shape of flower, color and spike.

Augustus Sala, dark blue, shaded violet rose.

Comtessa, pale sapphire, shaded rose, white center; extra large flower and spike.

Excelsior, rich sapphire, center marbled rose.

Frau Emma Metzger, silvery blue, tinted rose; large double flowers on long spikes.

Mrs. James Helme, silvery blue, tinted rose; flowers rather small, but spikes are distinctively long and slender.

Mrs. Miller, cobalt blue, suffused rose.

Romola, azure blue, marbled and blended with violet rose; large, extra double flowers on strong spikes.

Thomas Emmett, bright blue, striped rose; spikes long, beautifully formed.

Wilkie Collins, royal blue; center dark violet rose.

Zangwill, blue lavender, shaded rose and sapphire; inner petals edged sapphire; dark brown center; extra large double flowers on large, branched spikes.

Massachusetts. R. N.

WITH THE GROWERS.

POEHLMANN BROS., MORTON GROVE, ILL.

The Poehlmann Bros'. establishment at Morton Grove, Ill., is among the largest in the vicinity of Chicago. It contains over 100,000 square feet of glass, of which the greater part is devoted to roses. The houses are erected upon a ten-acre plot of ground, within a few hundred feet of the C. M. & St. P. R. R. station. There are three brothers, Adolph, August and John, the two former having charge of the greenhouses, the latter attending to the selling at their down town store at 21 Randolph street.

There are thirty-three houses in the Poehlmann establishment sixteen given over to roses. Three of these are 20x125, six 18x125 and seven 18x140. The roses grown are the every-day sorts, Meteor, Bride, Bridesmaid, Perle and Beauty, but the healthy condition of the plants predicts a heavy crop for the fall and winter season.

Chrysanthemums take second place in this range of glass, there being ten houses of them, five houses 18x125 and five 10x125, one of which contains pot plants exclusively. Besides this house they have several hundred more plants in the walks, also in pots. In all they are growing forty-five varieties from as early as Lady Fitzwygram to as late as H. W. Rieman.

Carnations are still in the field, there being about 7,000 plants, mostly Scotts, the remainder are Flora Hill, Jubilee, Armazindy and Evanston, all fine looking, bushy plants. They still have two houses of old plants, but will soon throw them out, as they will begin housing the young plants about September 5. They will plant three houses 18x125. The balance of the glass consists of one adiantum house, 10x140, one for mignonette, 10x125, and two houses for violets, each 10x125 feet.

The place is heated by four boilers, each of seventy-five horse power, three being used for hot water and one for steam. Two of the boilers are the Devine pattern, the other two being the Kroeschell make.

The brothers have been busy all summer overhauling their place and have just finished reglazing twelve houses. The latest improvement is a new water-tight boiler pit twenty-eight feet long, fifteen feet wide by nine feet deep. The walls and floor are made of one foot of solid concrete. When finished the pit will contain two boilers and the cost will be $400. Coal is already being hauled for the winter. They have two 130-foot wells to supply the necessary water, which is pumped by a windmill assisted by a steam pump. They have mains leading to the field, with faucets every twenty-five feet, for watering the field plants.

Houses on Different Levels.

ED. AM. FLORIST:—Will some one kindly tell me how to pipe my new house for hot water heating? My houses are three-quarter span, facing the south, with boiler at east end. The new house that I have built is also three-quarter span but faces more to the southwest and is three feet higher on the ground floor than the others. Now I want to use the same boiler for the new house. The flow pipes are on a level with the bottom of the benches in the old houses and all return under the benches. Now, in the new house I am compelled to use an overhead flow, on account of the doors, with the return under side benches. This will make the flow in the new house about nine feet higher than the flows in the other houses. Will this high flow pipe rob the flows of the lower houses? Any information will be appreciated. ANXIOUS.

As the sizes of the houses are not given no plans for piping can be outlined. The water will naturally flow more freely to the higher house, but if the flow to the new house is only as large as is necessary to furnish the required heat, and especially if it is provided with a valve by which it can be checked in part in mild weather, there will be no difficulty in securing the heat required in the old houses if the boiler has sufficient capacity. On the other hand use rather large flow pipes to the old houses and put in ample radiating surface. L. R. TAFT.

LEXINGTON, KY.—David Honaker is remodeling his store, making it one of the prettiest in the state.

New Hybrids of Clematis Coccinea.

G. C. Watson's instructive article on that most charming flower, the clematis, naturally excites the enthusiasm of all interested. An interchange of experiences among the growers of this or any other species is always interesting and instructive. I, too, can speak a good word for Mme. Edouard Andre and Mme. Baron Veillard. I have grown them several years, finding them free bloomers and quite free from blight. The former blooms the earlier and is not as strong a climber as the latter. A good combination is to plant C. Flammula and Mme. Baron Veillard quite close to each other. They bloom at the same time and the commingling of the sweet-scented, star-shaped flowers with those of the lavender pink of Mme Veillard is effective.

I must confess that M. Koster disappointed me, but having grown it only one season, I will reserve judgment. It somewhat resembles Kermesina, but is not as rich in its coloring. Mr. Watson does not mention the hybrid C. integrifolia Durandi. I consider this one of the choicest varieties we have. I have never been able to ascertain what form was crossed with the bush species, C. integrifolia, to produce it. It resembles C. integrifolia when in bud by the pendant habit of its bloom, but when the flower is fully open it spreads out flat and is as upright and open as any of the Jackmanni class. It resembles C. integrifolia in that it does not climb by means of its leaf stems, but requires tying to some support. It grows about four feet high and under good cultivation will bloom from June to frost. My two plants commenced to bloom in June and at this writing (August 26) have over fifty flowers on them. They are four and five-petaled, about three inches in diameter and, on opening, a very rich blue in color, gradually fading to a metallic blue, somewhat the color of the flower stems of the Eryngium amethystinum. I have other hybrids of C. integrifolia which are departures from the type only in color, being shades of pink and not interesting except in collections.

I am glad to see Mr. Watson say a good word for our native Texas species, C. coccinea. My plant is making love to a patriarchal C. paniculata and twining in and out among its top-most branches, where its brilliant scarlet flowers will soon be peeping out among the wealth of fleecy blooms of C. paniculata. It has been my good fortune to be able to grow the new hybrids of C. coccinea lately placed upon the market by Geo. Jackman & Son, Woking Nurseries, Surrey, England, and they have produced quite a sensation among those who have seen them. Mr. Watson has described three of them—Countess of Onslow, Duchess of York and Duchess of Albany. In addition to these I am growing Grace Darling, a bright rosy carmine, star-shaped and quite a profuse bloomer; in fact, all are strong growers and free bloomers.

My plants are growing on a four-sided trellis, dome-shaped at the top, and as the numerous blooms meet and commingle at the top and reach up for light, the effect is novel and charming. The illustration is of the top of the trellis. The flowers of these hybrids are good keepers when cut and would work up beautifully in florists' designs. Another good feature about them is their long flowering period, a trait inherited from the parent, C. coccinea. Perhaps some florist may be induced to try them next season.

W. C. EGAN.



JACKMAN'S HYBRIDS OF CLEMATIS COCCINEA AT EGANDALE, ILL

New York.

PLANS ALREADY ON FOOT FOR THE NEXT CONVENTION.—MANY SIGHTS TO BE SEEN.—CANNAS ARE THRIVING.—CUT FLOWER MARKET INACTIVE.—MUCH STOCK ON HAND.—BULB SHIPMENTS.—PERSONAL JOTTINGS.

Movements are already on foot to begin active preparations for the convention of 1900, and the initial meetings of the Florists' Club, as well as other local organizations, are likely to set the ball a-rolling lively. As with many other cities, the hardest matter for New York will be to decide where it will draw the line in entertaining and sight seeing, for there is material enough here at their disposal to keep the visitors fully occupied far beyond the limits of the convention time without allowing for any work at all. Here, more than anywhere else, it is probably true that the entertainments not down on the list will monopolize most of the time and attention of many of the visitors. Any one looking for horticultural information such as cannot be obtained outside of New York at any price might be directed to Vesey street, where he will find dormant sago palm stumps, very dormant ones, which, if the label is to be believed, bear flowers with "ever-changeable colors and will bloom six weeks after planting." What do you think of that?

A yellow canna, probably Burbank, possibly Austria, used quite generally in the planted hotel areas here this year is doing finely, much better than either of these varieties have done in past seasons. The blooms seem more persistent, and when several are open at once on a stem they make a dazzling show. Another noticeable feature of garden, vase and window adornment, which seems to be more and more general in New York each year, is the English ivy, which is used in incredible quantities and is very effective.

The cut flower market is still "dead as a door-nail" and one is constrained to agree with Charlie Carlin, who is just winding up his vacation, that "the excitement won't commence till the first grab of good violets comes in." There are lots of Japan lilies, lots of gladioli and hydrangeas, lots of roses, and about everything else, and it takes a high order of ability to turn them into cash just now.

The steamship Amsterdam, which arrived on Wednesday, August 23, brought the first large shipment of Dutch bulbs for the season. Her manifest showed 167 cases for Henderson, eighty eight cases for Elliott and seventy-eight cases distributed among several custom house brokers.

The wholesale establishment of Thos. Young, Jr., is undergoing its annual overhauling and painting.

Billie Iler, E. C. Horan's faithful foreman, is off for a two weeks' vacation.

Mrs. and Miss Berger are resting in the Catskills.

Louis Schmutz celebrated his fifty-fourth birthday last Friday.

Boston.

ANNUAL FLOWER AND PLANT SHOW OF THE MASSACHUSETTS HORTICULTURAL SOCIETY.—SHOWINGS AN ADVANCE OVER PREVIOUS YEARS.—NOTES OF THE EXHIBITS.—OLD GUARD RATIFIES CONVENTION ELECTION.—CUT FLOWER RECEIPTS INCREASING.—RESORT ORDERS COME IN STEADILY.—DEATH OF AN OCTOGENARIAN.—THE FISHER CARNATION AND SIEBRECHT ROSE.—PERSONAL DOINGS.

The annual flower and plant exhibition in progress at the time of this writing, was in many of its features a decided advance over any of its predecessors. The upper hall was devoted to plants exclusively with the exception of one fine tank of aquatic flowers shown by Oakes Ames. This was a center of attraction for visitors who admired the whole collection, and for the professionals, who saw rare beauty in the new Marliaceæ seedlings, Aurora and Seignoureti, the Laydekeri alba and Carl Blomberg's hybrid Astræa. The general display of plants, such as palms, begonias, caladiums, ferns and the long list of stove subjects that are always seen at this show was interesting from the fact that the average all through showed smaller, more serviceable stock than has been the case heretofore. This was especially true

of the crotons, of which fully two hundred elegantly colored specimens averaging about two feet in height were staged. Twelve dazzling dipladenia seedlings, large plants, profusely flowered, in various shades from white to crimson pink, were displayed by George McWilliam and attracted much admiration. There was a set of good caladium seedlings also from Oakes Ames, some well flowered saccolabiums, etc., from the Botanic Garden and a stately group of conifers from Francis Blake, F. Leith gardener. The principal exhibitors in the plant groups were: J. S. Bailey, Wm. Donald gardener; E. S. Converse, D. F. Roy gardener; J. E. Rothwell, Jas. Mutch gardener; W. H. Lincoln, Chas. H. Souther, Chas. Sandiford gardener; E. J. Mitton, J. Lawson gardener; Dr. C. G. Weld, K. Finlayson gardener, and Mrs. J. L. Gardner, W. Thatcher gardener. James Garthley came with a big specimen geranium and beat J. E. Rothwell's 4-foot specimen Acalypha hispida (Sanderi) for first prize for greenhouse flowering plant.

The lower hall was a bewildering blaze of brilliant color. Dahlias by the thousands, in show, fancy, cactus, pompon and single classes; phloxes, gladioli, cannas and asters filled every available space and made a gorgeous scene. Special advance was noted in the grand collection of hardy phloxes from Rea Bros., a seedling Nymphæa Arethusa from James Brydon, the wonderful Liliput zinnias from A. B. Howard, and in the cactus dahlias from several exhibitors. Lothrop & Higgins and H. F. Burt were the heaviest contributors of dahlias, but there were fine displays of more or less extent from W. C. Winter, Wm. H. Symonds, Mount Vernon Nursery, J. K. Alexander, W. G. Winsor, W. E. Endicott and S. Bloomfield, the latter showing six seedlings. Robt. Laurie, gardener to C. Vanderbilt, brought seven species of montbretias and a number of odd and unusual things. James Garthley had coxcombs, Jas. Comley gloxinias and lilies, J. Heurlin hardy perennials, J. W. Clark gladioli, Schlegel & Fottler cannas, C. H. Souther asters, and numerous other exhibitors showed promiscuous collections.

The display of foreign grapes was very extensive. George McWilliam, gardener to G. M. Whitin; John Ash, gardener to Miss E. J. Clark; Thos. Beattie, gardener to Mrs. R. M. Clark; Wm. McAllister, gardener to J. C. Whitin; Bruce Butterton, gardener to E. J. Berwind; H. Dumaresq and D. Brown were all represented in this section and the visitors were treated to a feast—of the eye—of Black Hamburgs, Muscats, Alicantes, etc., which made every mouth water. Prizes were not all awarded at time of writing. The weather was fine and the attendance very large.

The "Old Guard" ratified the election of E. M. Wood as president of the national society with a complimentary dinner to that gentleman on Tuesday afternoon at the Squantum Inn. Eighteen gentlemen were present, P. Welch having come all the way from Old Orchard beach and Louis C. Elson from East Gloucester for the express purpose of joining in this honor to their mutual friend. M. H. Norton presided at one end of the table and Ed. Hatch at the other and every one present was called upon for brief remarks. Congratulations on the honor which New England had received, praise for Mr. Wood's character and abilities and enthusiastic predictions for an unprecedented demonstration at the convention of 1900 in the metropolis were on every lip. The tables were finely decorated with flowers contributed by Lawrence Cotter and Welch Bros. All indications point to the largest delegation for next August that Boston ever sent out.

The present week sees a considerable increase in flower receipts at the markets and wholesale establishments, which in the absence of any augmented demand, makes the situation rather dubious as to prices. Roses, carnations, asters and gladioli are all coming in heavily. The seaside demand still continues unabated and seems to hold out more steadily to the end than usual, but it is confined to specialties and fancy grades, so it has but little influence on the price of ordinary stock, which in all lines is purchasable at practically the buyer's own figures. A few days more will see the end of the seaside business and then the American Beauty will get down with the common company.

B. G. Smith, a well known amateur horticulturist of Cambridge, died on Thursday, August 24, at the ripe age of 84 years. For thirty years he has been a vice-president of the Massachusetts Horticultural Society. He was treasurer of the American Pomological Society, president of the Massachusetts Agricultural Club and actively associated with a number of other bodies of like character.

The Mrs. Fisher carnation still holds its position in the affections of at least one grower here, Charlie Ingram, of Ingram & Lynes, who is sending good blooms, for the season, of this variety to Welch Bros.

A vase of Belle Siebrecht roses is seen occasionally in the wholesale stores, but so diminutive are they in size that it would take several of them to make a fair sized Bridesmaid. Unless this variety takes on some new vigor it will soon be extinct as a commercial rose in this vicinity.

James Galvin, formerly of Galvin & Co., wholesale florists, has secured a position with W. Rosenthal at the Boston Cut Flower Co., Bromfield street.

Visitors in town: J. A. Valentine, Denver, Colo.; H. F. A. Lange, Worcester, Mass.; Paul M. Pierson, Scarborough, N. Y.

Philadelphia.

TRADE DEAD IN THE QUAKER CITY.—PROSPECTS BRIGHT, HOWEVER.—ROSE PLANTING AT AN END.—BENCHING CARNATIONS TO BEGIN.—ENCAMPMENTS, EXPOSITIONS AND ATHLETIC CONTESTS.

Business is very quiet, and, while the store keepers are not given to whispering, their orders for flowers are nowadays scarcely heard at all. Prospects are very bright, but like the "very near" strikes and spares which don't count, the beautiful future has little to do with the consumption of the stock on hand and "returns" are now sad to look upon. The asking prices of the best stock, and some of it is very good, are as follows: Beauties, $4 to $10; teas, $2 to $4 with a few extras $5; lily of the valley, $3 to $4; asters 50 cents to $1.50; a few carnations at 50 cents; gladioli and tuberoses, $1 to $3, hydrangeas, $2 to $3 per hundred heads.

The growers are now about all planted up with much the same assortment of roses as last season, a little more space, perhaps being devoted to Beauties. This should be a good season for carnations, as there has been an abundance of rain for the past month. The plants are looking well in the field and as it will soon be time to lift them the soil should be in good condition for their removal to the houses without loss of roots.

The G. A. R. boys will be with us next week, when the city will no doubt be bubbling over with patriotism and, we trust, with strangers in need of flowers. These large gatherings as a rule, however, are more of a hindrance than a help, as everybody wants to see the parades and celebrations and when they are over are too tired to think of anything but getting home.

The National Export Exposition is progressing finely and will open September 14 as complete, if not more so, as any other like enterprise in this country. The Florists' Club is attending to the planting of the esplanade from the main entrance to the building and promises to make the work a feature of this important thoroughfare. Edward Campbell, the landscape artist, is superintending the laying out and planting of the beds and David Rust, as secretary of the committee, is hustling and keeping the different exhibitors and contributors up to their work, so that this important decorative feature shall be completed in time for the opening. It promises to be a great exhibition and worthy of a visit from all who wish to keep abreast of the times.

J. L. Smith, of Lansdowne, of the firm of Smith & Whitely, was found unconscious at the rear of one of his greenhouses last Wednesday morning at about 5 o'clock. He was taken to the Presbyterian Hospital, where the doctors said he was suffering from narcotic poisoning. He is still unconscious at this writing. He is supposed to be the victim of foul play, as a large amount of money he had the afternoon before, together with valuable papers, is missing.

Thomas Cox, aged 73, father of Linnæus Cox, of Wissanoming, died on August 27, and was buried in the family lot at Cedar Hill, Cemetery, Frankford.

The cut flower hustlers of this city had a return baseball match with the Craig nine at R. Scott & Son's nursery, Sharon Hill, last Saturday. Rain came before the decisive fifth inning could be played and a future date is to be decided on to complete the series.

The Stoke Pogis and florist gentlemen of Philadelphia will play their return match at cricket at Chestnut Hill, September 7, Thursday. The result is awaited with fear and trembling. K.

Omaha.

CONVENTION PARTY RETURNS HOME.—BUSINESS GOOD.—QUITE A BIT OF BUILDING COMPLETED.—NOTES.

Our representatives at the convention are nearly all home again and are enthusiastic over the treatment they received from the moment they reached Chicago until they started homeward. Our party enjoyed every minute of the week and have many kind actions to repay upon opportunity.

Business is pretty good; in fact it has been so all summer. First-class stock is somewhat scarce but J. F. Wilcox is sending in some good young Beauties. There is room here for a good wholesale grower; such a one could sell everything at fair prices.

Most of the growers are busy planting. A. Donaghue is rebuilding one house 18x150 and others who have completed additions are: P. Paulson, house 20x100; Peterson Bros., house 24x100; Hess & Swoboda, two houses 18x100, one 12x100. GRIPPE.

INDIANAPOLIS, IND.— The Society of Indiana Florists will attempt no fall show this year, the recent ones having lacked support.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

ALL correspondence on horticultural exhibits intended for the Paris Exposition of 1900 should be addressed to G. B. Brackett, Dept. of Agriculture, Washington, D. C.

IF "Subscriber," who makes inquiry with regard to the American Beauty rose, will kindly send his full name and address, we shall be pleased to furnish the desired information.

THE glass trust of Indiana, with a capital of $30,000,000 has collapsed through pressure of the courts. It is not improbable that the action of the S. A. F. at Detroit was heard of beyond the walls of the convention hall.

THE death is announced of Thomas F. Rivers, of Sawbridgeworth, Herts, England, on August 17. Mr. Rivers was a Victorian medalist of the Royal Horticultural Society and an authority of world wide reputation on fruits and roses.

PRESIDENT RUDD has appointed E. M. Wood as a delegate to represent the Society of American Florists at the meeting of the Farmers' National Congress which is to be held in Boston, Mass., October 3, 4, 5 and 6. A railroad rate of one and one-third fare to Boston and return has been made for this occasion.

EVERY florist and gardener should write to the Agricultural Department, Washington, D. C., for the bulletin entitled "Notes on Frost," which covers the entire subject in a manner more thorough and concise than has ever been attempted heretofore. No charge is made for the bulletin and a one-cent postal card will insure its delivery at your door. This is one of the most valuable bulletins, from a horticultural standpoint, ever published by the department.

An Encouraging Price.

William Dean Howells ran down to Boston the other day, according to the *Chicago Journal*, and says he was feeling very gloomy over the future of the nation because of the news that a well known New Yorker had become an English subject. At that moment he heard a sidewalk merchant exclaim, "Astors, thirty cents a bunch."

The Greek Beaten.

It has been estimated that any crack steamer leaving New York for Europe takes with it bouquets worth from five thousand to fifteen thousand dollars. In a few hours the passengers begin to feel queer and send the flowers out of their rooms. Then (according to the *London Chronicle*) they are collected by the stewards, carefully sorted over, and put into the ice-house, and when the vessel reaches her English port they are sold and the profits divided among the men. American travelers when they land often buy flowers from English flower-girls in the belief that they are English blossoms, when they are really the product of the gardens of New Jersey or Long Island.—*Cleveland Town Topics.*

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

CHICAGO, Nov. 7-11.—Chrysanthemum show, Hort. Society of Chicago. Willis N. Rudd, Ass't Sec'y, Room 202, 185 Dearborn St.

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

BOSTON, MASS., Nov. 7-10.—Chrysanthemum show, Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society, Alex. Macleilan, Sec'y.

WORCESTER, MASS., Nov. 8-9.—Chrysanthemum show, Worcester County Hort. Society. A. A. Hixon, Sec'y, 18 Front St.

POUGHKEEPSIE, N. Y., Nov. 8-10.—Annual exhibition, Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill.

TARRYTOWN, N. Y., Nov. 10-11.—Chrysanthemum show, Tarrytown Hort. Society. Wm. McCord, Sec'y.

PROVIDENCE, R. I., Nov. 9-10.—Chrysanthemum show, Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St., Providence.

BUFFALO, N. Y., February 15-16, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

MANCHESTER, CONN., Sept. 6-8.—Exhibition Connecticut Hort. Society. C. H. Boykett, Sec'y, Hartford, Conn.

NEW YORK, Sept. 26-29.—Autumn exhibition, American Institute, Geo. Whitefield, Jr., Sec'y, American Institute, New York.

OTTAWA, CAN., Sept. 19-21.—Trade exhibit, Canadian Hort. Association. A. H. Ewing, Sec'y, Berlin, Ont.

BROCKTON, MASS., Nov. 1-3.—Exhibition of Brockton Gardeners' and Florists' Club. Walter E. Baker, Sec'y, Box 230, Campello, Mass.

WACO, TEXAS, Nov. 15-17. Fourth Chrysanthemum show, Texas State Floral Society. Miss Bella Beer, Sec'y, Waco, Texas.

Greenhouse Building.

Malden, Mass.—E. A. Kelley, one house.

Hartford, Conn.—Jas. Young, three houses 20x75. C. K. Swenson, carnation house 22x165.

Cincinnati.—Geo. Bruner's Sons, two carnation houses 16x100. Ed. Fries, five houses.

Erie, Pa.—E. C. Hill, rose house. Schlraff Floral Co., violet house. J. V. Laver, three houses 20x100.

West Hartford, Conn.—Paul Thompson, greenhouse 27x57, one grapery 27x65.

Wellesley, Mass.—D. Carmichael, two commercial houses.

Kingston, N. Y.—V. Burgevin's Sons, two commercial houses 20x100, one 6x100, and storage and boiler house 20x72.

Rutland, Vt.—C. H. Miles, chrysanthemum house 20x150.

Templeton, Mass.—A. L. Hawkes, greenhouse 16x150.

Kingston, N. Y.—Chas. Stow, one conservatory.

Lexington, Mass.—James Comley, commercial houses covering about 9,000 square feet.

Baltimore.—Montgomery Bros., two houses 12x100. Erdman Bros., house 34x80.

Westfield, N. J.—Chas. Dorrer, house 20x80, one 18x80.

Madison, N. J.—L. M. Noe, two houses 20x150. H. L. Holmes, rose house 20x75.

Morristown, N. J.—R. A. Elliott, two rose houses, 18x100.

Hazleton, Pa.—E. H. Smith, one commercial house.

Perkasie, Pa.—J. Werst, house 40x200.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Lager & Hurrell register Cattleya Gigas atropurpurea; well balanced flower; sepals and petals extremely dark; lip very large, intense purple. Cattleya Hardyana Robbiana; flowers very large; sepals and petals rosy mauve; lip deep crimson, veined on disc with yellow, the large yellow spots on each side traversed with magenta veins radiating from the center. A natural hybrid from Columbia.

American Carnation Society.

Crabb & Hunter, Grand Rapids, Mich., have registered the following carnations:

Irene, a cross between Albertini and Daybreak with the color of Albertini, a perfect calyx that never bursts and long stiff stems. It has a strong clove fragrance and is a good keeper, rather freer in bloom than Scott and a healthy grower.

Mme. Chapman, the Grand Rapids sport of Daybreak, in color between Daybreak and Victor, being a better tint than the latter; habit similar to Daybreak. ALBERT M. HERR, Sec'y.

Canadian Horticultural Association.

The Canadian Horticultural Association, the S. A. F. of the Dominion, will assemble in second annual convention in Goldsmith's Hall, at Ottawa, Ontario, on Tuesday, September 19, 1899, and will be in session through the succeeding two days.

The programme is modeled after those of the society embracing all America and will be opened with a welcome by the Mayor of Ottawa and a response by James McKenna, of Montreal, to be followed by the president's address and the reports of officers and committees and the appointment of exhibition judges. Interspersed through the business sessions there will be lectures, "Insect Enemies in Greenhouses," by Prof. Fletcher, Ottawa, and "The Use of Nitrogenous Fertilizers," by Frank L. Shutt, M. A., F. C. S., and the following papers: "Cemetery Decoration," by James McKenna, Montreal; "Building Commercial Greenhouses," by H. Dale, Brampton; "European Horticulture as Viewed by a Canadian," by S. S. Bain, Montreal; "Plants Versus Cut Flowers at Holiday Time," by C. Scrim, Ottawa. Requisition will also be made upon the question box and a number of diversions have been outlined.

The officers of the Canadian Horticultural Association are: President, Wm. Gammage, London; Vice-presidents, C. Scrim, Ottawa; Jas. McKenna, Montreal; Treasurer, J. H. Dunlop, Toronto; Secretary, A. H. Ewing, Berlin; Executive Committee, H. Dale, Brampton; C. Campbell, Montreal; G. Mills, Toronto; L. Manton, Eglinton; F. Mitchell, Innerkip; H. Gott, Simcoe; W. Manton, Davisville; O. Johnston, Kingston; J. Bennett, Montreal.

The American Rose Society.

ED. AM. FLORIST:—On behalf of the American Rose Society I wish to express our deep appreciation of the generous way in which those present at the meeting held at Detroit under the auspices of the S. A. F. rallied to the support of this society. Although, because of the fact that many were anxious to leave for the excursion, we had but a few minutes in which to present the claims of the society, yet those claims were so eloquently set forth by Messrs. Barry, Craig, Hill and

May, that the following gentlemen subscribed as life members, namely: E. G. Hill, Wm. C. Barry, H. A. Siebrecht, E. G. Asmus, Paul M. Pierson, John N. May, Samuel Thorne, Benjamin Dorrance, Edmund M. Wood, Joseph Heacock, Alexander Montgomery, M. E. Hibbart, Robt. F. Tesson, F. R. Pierson, Philip Breitmeyer, Peter Reinberg, George Reinberg, Henry Dale, Fred. Mathison, J. M. Gasser, J. L. Dillon, Emil Buettner, J. C. Vaughan, C. W. Ward, O. P. Bassett. Besides these we have a long list of both active and associate members.

Though only organized last March we have a membership nearly half as large as the S. A. F., and we are daily growing in strength and feel much encouraged in the general interest that is being shown in our work, not only in the trade but by the amateur and daily press as well. Almost all the agricultural and horticultural papers have urged upon their readers the worthiness of, and called attention to the necessity for such a society. The daily press has also, quite to our surprise, taken the matter up and many articles have appeared commending the purposes of the society and wishing us success. I mention these facts only to show that we have struck a responsive chord, and that both the trade and the amateur lover of the queen of flowers, have at last awakened to a realization of what a great work such a society is capable of performing. To supplement the remarks of the gentlemen who so ably presented the needs of our society, I wish to say that it is in no sense a purely trade organization, but is intended also to help to stimulate the amateur in his love for the rose. The advantage to the trade arising through increased interest among the masses of the people needs no argument. We hope to encourage the production of new varieties and in every possible way to increase general interest in the subject.

To those who were not present at the meeting in Detroit or who did not subscribe to life membership, we wish this to be considered a personal appeal. As Mr. Hill so truly said, every florist owes more to the rose than to any other source of income, and can well afford to support a society devoted to its interests. Every grower of roses, or cut flowers of plants to any extent, should be willing to contribute fifty dollars, thus becoming a life member. Those who think they cannot afford so large a sum may become active members by paying three dollars per annum. A hearty and prompt response will at once put us on a footing where we can accomplish satisfactory results. There is no use to try and hide in the woods, we shall not forget you and we mean to keep everlastingly at it until the trade is a substantial unit in the folds of this society. PAUL M. PIERSON, Sec'y.

Scarborough, N. Y.

Chicago.

INCREASED PRODUCTION FINDS THE MARKET MORE THAN ORDINARILY DULL.—FLORISTS' CLUB VISITS JOLIET.—WITTBOLD GETS A BILL OF HEALTH.—MANGEL HOME AGAIN.

There are more and better roses than a week ago and fewer orders. The stock of bud-encumbered carnations is on the increase and the call is slow. Taken altogether the week has shown little encouragement to the perspiring grower. There are still large quantities of summer flowers on hand, particularly gladioli, most all poor, but dahlias, which were deluging the market at this time last year are few and poor at present. It seems that the returns were so little last season that the growers have very generally dropped them and the grasshoppers are devouring a goodly portion of what are growing. Several growers have been so overrun with grasshoppers that they moved their carnations inside earlier than they would otherwise have done.

On Thursday the Florists' Club and its friends, many of them ladies, were the guests of the Chicago Carnation Co., at Joliet. The party, which numbered eighty, took the 11:45 a. m. train over the Rock Island Route, having a special car, arriving at Cherry Hills at 1 p. m., where Mr. Thompson led the way through the Higinbotham woods to the refreshment tables, which were tastefully decorated with wild flowers, red geraniums and hydrangeas. President Sanders made a short speech in which he thanked Messrs. Higinbotham, Thompson and Hartshorne for their courtesy. After luncheon the party visited the greenhouses and carnation fields of the company. The new addition to the establishment will soon be finished and ready for planting. Many of the guests visited Harlowarden, which is the name of the beautiful private grounds of the Higinbotham home. The grounds are tastefully planted with cannas and other flowering plants as well as trees and shrubs. The estate comprises several thousand acres. Some of the out of town people who took part in the outing were Miss Watson, who is connected with the Memphis Floral Co., Memphis, Tenn.; Geo. Washburn, Bloomington, Ill.; Albert T. Hey, Springfield, Ill.; and G. Swenson, Elmhurst.

J. Mangel is at home from a two months' trip to England, France, Switzerland, Italy and even to Constantinople during which "he spent much money." He's already making things hum at the corner of State and Washington. This week he shipped a broken wheel to Germany; needless to say it was made of immortelles and cape flowers.

Wittbold had the state entomologist up from Springfield the other day to give his stock a clean bill of health. They have had some difficulty in shipping palms into Indiana and Michigan, several railroads having refused shipments which did not bear a certificate of inspection.

C. F. Klunder, who was formerly in the retail line on his own account, has filed a petition in bankruptcy in the United States court, scheduling liabilities of $82,067 and no assets.

Mr. and Mrs. W. G. Newell, who were married at Des Moines, August 23, have been spending their honeymoon here. The groom is foreman for W. L. Morris.

Jas. J. Curran, manager for Van Bochove & Bro., Kalamazoo, Mich., and Mrs. Curran have been visiting friends at Forest Glen.

Albert Fuchs is still at Mt. Clemens, Mich., where he went after the convention in an attempt to get rid of his rheumatism.

M. Rice, after an extended stay in this vicinity, left early in the week for the east.

Harry Balsley returned to Detroit Tuesday well pleased with his western trip.

Visitors: Fred. Holton, Milwaukee; John Broadhead, Chattsworth, Ill.; Jos. Molck, Jeffersonville, Ind.; J. C. Ellspermann and Wm. Blackman, Jr., Evansville, Ind.; F. H. Fenner and C. A. Seeley, Marshalltown, Ia.; F. W. Taylor, of the Pan-American Exposition, Buffalo.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By practical all-around florist; single. Good references. Address J H, Olneyville P. O., Providence, R. I.

SITUATION WANTED—By good all-around florist with 19 years' experience. Best references. Address N D, care American Florist.

SITUATION WANTED—By a first-class decorator and designer, in a store or greenhouse. Best of references. Address E M, care Am Florist.

SITUATION WANTED—With privilege of buying or taking partnership in small greenhouse business, if agreeable to both parties. Address Box 95, Gunston, Va.

SITUATION WANTED — By young married gardener. German, now or later; private place preferred; is willing to do house or barn work Address M D, care American Florist.

SITUATION WANTED—As working foreman; 20 years' experience in some of the largest places in U. S.; high grade roses and general stock. Best of references. Address ROSE GROWER, P. O. Box 400, Madison, N. J.

SITUATION WANTED—By good propagator and grower of roses, carnations and general stock, as section man or foreman; capable of taking charge; 17 years' experience. Strong references; married. C. O. ERICKSON, 3136 N. Oakley Ave, Sta. X, Chicago.

SITUATION WANTED—By German gardener and florist, married, 27 years' practical experience in growing of all sorts of pot plants and cut flowers. Good designer. Al references. Chicago or vicinity preferred. Address D B, care American Florist.

WANTED—Cheap for cash, greenhouse glass and pipes TH. F VAN DER MEULEN, Dunkirk, N. Y.

WANTED—Two unmarried men for general greenhouse work Apply to A H. SCHNEIDER, Oak Park, Ill.

WANTED—Two (2) experienced plant packers. Steady position; good wages. Answer KENTIAS, care American Florist.

WANTED—Good man for greenhouse work; single men preferred. Steady work and good pay to right man. J. M. SMELY, Aurora, Ill.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—My gardener going home to Germany, I want a gardener. Orchids, stove and greenhouse plants, garden, lawn, fl'es. Private place. WM. H. CHADWICK, 632 Rialto Bldg, Chicago.

WANTED—A florist and gardener; unmarried man preferred, one capable of caring for a greenhouse and raising vegetables. Apply to THE STATE PUBLIC SCHOOL, Owatonna, Minn.

WANTED—Grower of hardy perennials with thorough commercial experience in this class of stock; must be accustomed to handling men. HENRY A. DREER, Lock Box 1618, Philadelphia.

WANTED—To buy or rent, with privilege of buying, greenhouse establishment; 5000 to 10,000 feet of glass State lowest cash renting and buying price. Address GROVE L. TYLER, Gunston, Va.

WANTED—Florist plant of 15,000 to 20,000 feet of glass to rent, with privilege of buying, in live town; Michigan or adjacent states. Life experienced florists. Address G H M, care American Florist.

WANTED—A young man with some knowledge of greenhouse work to learn the business. All kinds of cut flowers grown on my place and a good home to a bright young man not afraid of work. Address No. 100, care American Florist.

WANTED—An all-around florist; one capable of growing good roses, carnations and general greenhouse stock. Must be sober, industrious and reliable. References required. State wages wanted. Address A M, care American Florist.

FOR SALE OR RENT—Fortune for live florist with small capital. Write me and I will prove it. F I T, care American Florist.

FOR SALE—Carmody water boiler—8 sections—very reasonable and in good condition. Address 1119 Charles St., St. Paul, Minn.

FOR SALE—One Devloe boiler, seven fines, good order; reason, for selling, must have a larger boiler for my houses. MRS. S. E. BECKWITH, Mt. Pleasant, Ia.

FOR SALE—Fine opportunity to grow early vegetables and raise spring chickens for home and city market successfully. Small capital, easy terms. VEGETABLES, care American Florist.

FOR SALE—A bargain; fine retail business, 4000 ft. glass, well stocked; 7-room dwelling, barn, stable, etc., in city of 40,000. A fine opportunity for beginner. Reason for selling, bad health. Write at once. Address M, care American Florist.

Tell them where you saw the ad.

Bradford, Pa.

With an additional rose house 20x100 now nearing completion W. C. Rockwell will be well equipped to do business during the coming season. While growing a general stock for his retail trade, Mr. Rockwell is particularly successful with violets, a part of which he often ships to the wholesale market. Just now both his roses and carnations are in the best of condition, while his chrysanthemums look as if they are trying to keep pace with the progressive times.

G. L. Graham is putting the finishing touches to an additional house and from all appearances he is at peace with the world. Mr. Valentine, who takes charge of Mr. Graham's downtown store, will shortly leave for Philadelphia and will combine business and pleasure.

Apropos of the glass plant contemplated by the S. A. F. for the benefit of its members, it is Mr. Rockwell's opinion that Bradford is the place for an enterprise of this sort. Natural gas, which in this region is practically inexhaustible, is an advantage. HOMO.

MANCHESTER, N. H.—Tappan & Spry have dissolved partnership. Mr. Tappan will continue the business at the old stand and Mr. Spry will erect greenhouses on Bridge street, one 18x100 and another 9x100.

BURLINGAME, CAL.—E. W. McLellan & Co. will open a wholesale cut flower and supply store early this month. This firm now has 75,000 feet of glass and will add 20,000 feet additional the coming winter. A general line of stock is grown.

WESTFIELD, N. J.—Chas. Dorrer reports the disappearance of an employe with two gold watches, a diamond pin, five gold rings and $30 in money. The lad accused of the theft is a German named Weber with peculiarly bald head and an anchor tatooed on each arm.

BOBBINK & ATKINS,

Representatives of the following Europeen Houses:

The Horticultural Co., Boskoop, Holland, H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Tll & Co., Hillegom, Holland, Dutch Bulbs.

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a specialty.

Scoeck Bros, Geodbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

FREESIA REFRACTA ALBA, 100 1000
True White, large bulbs....$.75 $6.50
FREESIA, pure white, yel. throat .60 4.75
" " " " .40 3.00
⅜ to ½-inch.....

Price includes delivery on Freesias.
LIL. HARRISII, EXTRA FINE, 5 to 7-inch 4.50
CALLA AETHIOPICA, 3-7 in. circ. Write for prices.
Send for NEW TRADE LIST.
H. H. BERGER & CO., 47 Barclay St., New York.
Established 1878.

ZIRNGIEBEL GIANT PANSIES

Seed at $1.00 per trade packet or $5.00 per oz.
Also plants of the above at $5.00 per 1000, securely packed to go any distance. Large transplanted plants for winter bloom at $2.00 per 100 (no dollar an oz. mixture in these plants).
DENYS ZIRNGIEBEL,
NEEDHAM, - - - MASS.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

BY CONTRACT BETWEEN

THE AMERICAN FLORIST COMPANY AND W. A. McFADDEN,

this space will be reserved and used during the coming year to advertise

THE SPECIAL PRODUCTS OF

The "Rosebank" Nurseries.

Orchids. The Rosebank collections of these plants are the largest in size, the best in quality and the finest in selection in the country.

Valley. A house has been especially constructed in which a quarter of a million pips will be forced, beginning October 15th next.

Ferns. Large quantities of the most popular varieties of Adiantum (Maidenhair) will be grown under a system which will add much to their value.....

These Special Products will be offered to the trade at prices which will be extremely interesting to both buyers and sellers.

W. A. McFADDEN,
"ROSEBANK"
CINCINNATI.

PITTSBURG CUT FLOWER CO., Ltd.,

WHOLESALE FLORISTS,

Long Distance 'Phone 2157. Consignments Solicited. No 705 Penn Ave.,
FLORISTS' SUPPLIES. WRITE FOR PRICE LIST. PITTSBURG, PA.

Wholesale Flower Markets

CINCINNATI, Aug. 31.

Roses, Bride, Bridesmaid	2.00@3.00
" Meteor	2.00@4.00
" Perle	2.00@3.00
Carnations	.50@1.00
Lily of the Valley	4.00
Asters	.75@1.00
Sweet Peas	.25
Gladiolus	3.00
Tuberoses	3.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Aug. 31.

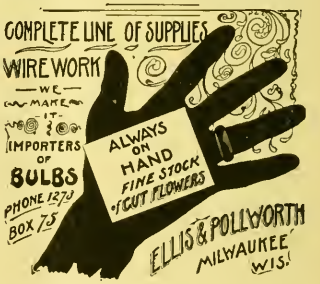
Roses, Beauty	4.00@20.00
" Bride, Bridesmaid, Meteor	2.00@4.00
" Perle	2.00@3.00
Carnations	1.00@1.50
Smilax	15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Aug. 31.

Roses, Beauty, long, per doz.	2.00@3.00
" " medium " "	1.25@1.50
" " short " "	.75@1.00
" Bride, Bridesmaid	2.00@4.00
" Perle	2.00@3.00
" Meteor	3.00@5.00
" Kaiserin	3.00@5.00
Carnations, fancy	1.50
" good stock	.50@2.00
Gladiolus	2.00@3.00
Sweet Peas	.10@.15
Harrisii	8.00
Auratum	12.50@15.00
Asters	.50@1.00
Adiantum	.75
Common ferns	.25
Smilax	12.50@15.00
Asparagus	60.00

PITTSBURG, Aug. 31.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid	2.00@6.00
" Meteor	2.00@6.00
" Kaiserin	4.00@8.00
" Perle	2.00@4.00
Carnations	.50@.75
" long "	1.00@1.50
Lily of the valley	3.00@4.00
Tuberoses	2.00@3.00
Smilax	10.00@15.00
Adiantum	.75@1.00
Hardy ferns	.10
Asparagus, bunches	.35
" Sprengerii	35.00@75.00
Asters	.25@.75
" Semple	4.00@6.00
Gladioli	2.00@4.00
Lilium Speciosum	4.00@6.00
" Auratum	10.00@15.00



HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.
P. O. Box 103, MILWAUKEE, WIS.

Cincinnati.. Cut Flower Co.,
W. A. MANN.
FRANK W. BALL.
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Your Advertisement

will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in

The Best Drummer. **The American Florist.**

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, - - CHICAGO.

We Have the LARGEST WHOLESALE rlouse in Chicago.

OUR SPECIALTIES: ORCHIDS, HIGH-GRADE ROSES, CARNATIONS and VIOLETS.

Full Line FLORISTS' SUPPLIES, Seede, Bulbs, Hardy Stock.

E. C. AMLING,

.... WHOLESALE CUT FLOWERS

W. S. HEFFRON, Mgr. 51 Wabash Ave., CHICAGO.

REINBERG BROS.

...WHOLESALE...

Growers of Cut Flowers

800,000 FEET OF GLASS.

We can fill orders on short notice with all leading varieties of ROSES and CARNATIONS.

We ARE Headquarters for fine AMERICAN BEAUTIES.

SALESROOM, 51 Wabash Ave., CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

GALAX LEAVES.

Brilliant Bronze and Green.

$1.25 per 1000. Price in quantity on application.

HARRY A. BUNYARD,

42 West 28th Street, : NEW YORK CITY.

Wholesale Flower Markets

CHICAGO, Sept. 1.

Roses, Beauty,	24 inch		2.00
" "	20 "		1.50
" "	15 "		1.25
" "	12 "		1.00
" "	8 "		.75
" Bride		3.00@	4.00
" Bridesmaid		3.00@	4.00
" Perle		2.00@	3.00
" Meteor		3.00@	4.00
Carnations		.75@	1.00
Sweet Peas		.10@	.30
Gladioli		1.00@	4.00
Asters		.50@	2.00
Mignonette		1.00@	2.00
Hydrangeas	per dozen	1.00	
Golden Rod			1.00
Adiantum		.50@	1.00
Common ferns			.15
Fancy Ferns			.20
Smilax		10.00@	15.00
Asparagus			50.00

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

It is good business policy to mention the American Florist when you write to an advertiser.

SELECTED STOCK OF

LILIUM HARRISII

	Per 100	Per 1000
5-7	$5 00	$45.00
7-9	10.00	90.00
9-11	20.00	

Roman Hyacinths, Paper White Grandiflora, etc. Write for prices.

AUGUST RÖLKER & SONS, 52 DEY STREET, - NEW YORK.

Leather Bound

copies of the new edition of our DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada, arranged both by states and towns and alphabetically. Price, $3.00; in board covers, $2.00.

American Florist Company,

324 Dearborn Street, Chicago.

E. H. Hunt

THE "OLD RELIABLE" FOR WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Illinois Cut Flower Co.

WHOLESALE FLORISTS.

J. B. DEAMUD.....

51 & 53 Wabash Ave., CHICAGO.

The..... American Florist IS PAID FOR CIRCULATED AND READ.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

WIETOR BROS.

SUCCESSORS TO ROGERS PARK FLORAL CO.

Wholesale Growers of CUT FLOWERS

51 WABASH AVENUE,

Headquarters For American Beauties. CHICAGO

Mention American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

DURING THE SUMMER MONTHS, COMMENCING JULY 3rd, WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

GEO. A. SUTHERLAND. BOSTON FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES. JOBBERS IN FLORISTS' SUPPLIES

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Mention American Florist.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

For further information apply to the nearest Railroad Ticket Agent, or to

H. B. McCLELLAN, G. E. A.,
387 Broadway, New York City,
J. D. McBEATH, N. E. P. A.,
6 State Street, Boston, Mass.
C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

.....It your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

PHILADELPHIA, Aug. 30.

Roses, Tea	2.00@ 3.00
" " extra	4.00@ 5.00
" Beauty, extra	8.00@12.00
" " firsts	6.00@ 8.00
" " seconds	2.00@ 6.00
Carnations	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet Peas	.15@ .25
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00

BOSTON, Aug. 30.

Roses, Beauty, select	12.00@25.00
" " ordinary	2.00@ 5.00
" Bride, Bridesmaid, Meteor	.50@ 4.00
" Kaiserin	1.50@ 6.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asters	.75@ 1.00
Gladioli	1.00@ 4.00
Smilax	8.00@10.00
Asparagus	50.00
Adiantum	.50@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

Mention The American Florist.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—

Wellington St., Covent Garden, London, England.

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,

CHICAGO.

Top Grade BEAUTIES, BRIDES, BRIDESMAIDS.

LILY OF THE VALLEY and METEORS, for summer shipments.

Extra Carnations.

New Telephooe No. 1998 Madison Square.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.

J. K. ALLEN,

...Wholesale Florist...

SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.

New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.

43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,

WHOLESALE **FLORIST**

New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*

Roses shipped to all points. Price List on application.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.

Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

....30 West 29th Street.

New Telephone No. 551 Madison Square.

Please Mention the American Florist.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. NEW YORK.

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist.

HALF TONES

ZINC ETCHINGS

WOOD CUTS

ELECTROTYPES

J. MANZ & CO.

195-207 Canal St., - - - CHICAGO.

HIGH GRADE WORK.

PROMPT SERVICE.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Aug. 30.

Roses, Beauty select	10 00@20.00
" ordinary	2.00@ 5.00
" Bridesmaid, Bride, Morgan	.25@ 1.50
" Kaiserin, Meteor	1.00@ 4 00
Carnations	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	1.00@ 2.00
Longiflorum	4 00@ 8.00
Gladioli	1 50@ 2 00
Asters, per hundred bunches	1.00@ 3 00
" fancy	1.00
Cattleyas	40.00@50 00
Smilax	5.00@ 8 00
Asparagus	25 00
" Sprengeri, per doz. bunches 1@2	
Adiantum	.50

BUFFALO, Aug. 31.

Roses, Beauty	3.00@25 00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1 00
" fancies	1.00@ 2.00
Lily of tha valley	3.00@ 4.00
Lilium Auratum	8.00@12 50
" Speciosum	4.00@ 6 00
Asters	.50@ 1.50
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00
Sweet Peas per bunch	.02@ .06
Gladiolus	1.00@ 3.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. **Cut Flowers**

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES SWEET PEAS LILIES

JULIUS LANG

53 WEST 30th STREET NEW YORK

CARNATIONS Tel. 280 Madison Sq.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

M. A. HART,

Commission DEALER IN **Cut Flowers,**

44 WEST 29TH STREET, *NEW YORK CITY.*

THE BEST MARKET IN NEW YORK.

'Phone 325 Madison Square.

Ford Bros...

Wholesale Florists

111 West 30th Street, NEW YORK.

Consignments Solicited. 'Phone, 157 Madison Sq.

Galax Leaves

For Summer Use in Cold Storage.....

Write the INTRODUCER.

HARLAN P. KELSEY,

1106 Tremont Bldg., BOSTON, MASS.

Now Ready! The American Florist Company's..

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY

324 Dearborn St., CHICAGO, ILL.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square. ...NEW YORK.

Cut Flowers at Wholesale.

All ready for business in our enlarged, attractive, new location. Can accommodate a few more consignors of desirable stock.

OFFERING AT PRESENT...

BEAUTIES, BRIDESMAIDS, BRIDES, METEORS, CARNOTS, KAISERINS, CARNATIONS, VALLEY, LILIES, ASTERS, GLADIOLI, ETC.

LATER ON....

VIOLETS A SPECIALTY.

KEEP POSTED AS TO NOVELTIES IN MARKET BY ATTENTION TO THIS SPACE WEEKLY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
ALEXANDER RODGERS, Pres.; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

AUG. RHOTERT, of New York, after a sojourn of eight weeks in Europe, returned August 24.

EUG. SCHAETTEL, of Vilmorin-Andrieux & Co., of Paris, arrived in New York last Saturday.

S. B. DICKS, representing Cooper, Taber & Co., of London, Eng., is expected in Chicago, September 5.

F. BARTELDES, of Lawrence, Kan, and C. R. Root, of Denver, Colo., were in Chicago during the week.

RICHARD P. STECKLER, of the J. Steckler Seed Co., Ltd., New Orleans, La., visited Chicago during the week.

SOME blight is reported on the muskmelon and watermelon vines in Nebraska, evidently caused in part by recent rains.

BERT. BROTHERTON, of Peter Henderson & Co., New York, passed through Chicago Thursday, enroute to the Nebraska seed fields.

IN Ohio the clover seed prospect has improved in nearly all sections. Tomatoes have been sunburned or have rotted in many southern countries, but the crop is generally good.

THE Wisconsin sphagnum moss swamps show healthy growths from two rainy seasons and the quality put up for the coming year's trade should be the best of the past seven or eight years.

THE bean crop does not improve. Some late planted fields show no pods yet and will be an entire failure unless very favorable weather follows. Five dollars per bushel is talked of for wholesale price.

Clover Seed Traffic.

The traffic in clover seed was recently discussed by railroad officials of Toledo, Ohio. It is claimed that the local clover seed shippers are using the cars and freight houses of the Toledo roads as warehouses for the storage of clover seed. This is done by arranging for the inspection of the seed in cars and the freight houses and seed shipments are thus held until the owners are ready to re-ship to other points. Cars are thus delayed, which are in demand for other business, and the railways are held liable for damages to seed which should be in the possession of consignee. An attempt is being made to form an agreement by which the shippers will be forced to store clover seed in elevators.

DES MOINES, IA.—At the State Fair this week Lozier, Fulmer and Rollinson carried off the bulk of the plant prizes in the order named. The fair was a success in every way. John T. Temple, of Davenport, officiated as judge. P. Lambert & Sons are rebuilding their entire plant.

MOLINE, ILL.— Seventy-five carriages were decorated in the floral parade at the street fair August 30. On one carriage alone were used 3000 American Beauties, most of which were supplied by Bassett & Washburn, of Chicago. Gladioli were liberally employed and some paper flowers were used. Julius Staack had a well arranged street booth and supplied many decorations.



THAT WE ARE NOT HANDLING BULBS THIS YEAR IS A MISTAKE, AND A SAD ONE TO THOSE WHO HAVE FAILED TO SEND FOR OUR PRICE LIST. SOME LINES OF BULBS WE ARE SOLD OUT OF, BUT HAVE A SURPLUS OF THE FOLLOWING:

Lilium Harrisii (St. David's stock), accredited the cleanest Lily bulbs imported this year from the many islands that comprise the Bermuda group. We have only 5 to 7-in. left and are offering them at—100, $4.75; 1000, $45.00.

Lilium Longiflorum. warranted Japan grown, ready for delivery; these bulbs are growing in demand constantly, owing to the fact of the flowers lasting much longer than the Harrisii.
5 to 7 in.—100, $2.75; 1000, $25.00. 7 to 9 in.—100, $6.75; 1000, $65.00.

Our Early White Romans are nicely grown, special care having been taken to have them satisfactory.
11 to 12 centimeters—100, $1.25; 1000, $11.00.

Calla Lilies. If we do say it, we think, without doubt, we have the finest Calla roots that were ever shipped from the Pacific Coast.
Bulbs averaging 2½ to 3 inches—per 100, $9.00.

Mushroom Spawn. A fresh consignment and each brick containing hundreds of mushrooms; easily grown; a treatise furnished free how to grow them for $ $ $ $ $—10 lbs for $1.00; $7.00, 100 lbs.

TERMS: Five per cent discount allowed on all orders accompanied with cash. New York City references required from others.

WM. ELLIOTT & SONS, NEW YORK.

How $16 Will Return You $240 IN A FEW MONTHS.

Buy one or more boxes of our Lilium Harrisii, containing 400 bulbs each, for $16.00; which, under ordinary cultivation should average five flowers per bulb; total, 2000 flowers; at $12.00 per 100 blooms, $240.00. (Last year's wholesale price before Easter.)

NO OVERDRAWN SEDUCTIVE PICTURE---FACT.

If, however, you wish to work on absolutely safe ground, cut these profits in two; then you will make money—which stops all further argument.

SHORT CROP OF BERMUDA BULBS.

A two-third crop of bulbs in Bermuda this year would indicate a further scarcity of flowers next Easter at higher prices than last and removes all danger of overproduction.

NO FLORIST who has any spare room can afford to **LET THIS CHANCE SLIP.**

DON'T WAIT FOR JAPAN BULBS.

They are too uncertain; often arrive late in bad order, give fewer flowers of poorer quality and frequently flower after Easter, when worth nothing. Crop also reported very short.

LILIUM HARRISII BULBS.

5 to 7 inch around, box of 400 bulbs.....$16.00; 3 boxes (1200 bulbs), $45.00; per 100, $4.25.
6 to 7 inch around, box of 400 bulbs.....$22.00, larger bulbs, more flowers.

BERMUDA LILIUM LONGIFLORUM. GUARANTEED STOCK.

5 to 7 inch around, box of 400 bulbs.....$18.00; 3 boxes (1200 bulbs) $50.00.

A few thousand 9 to 11 inch Harrisii and Longiflorum left, at $18.00 per 100. 11 to 13 inch, monster bulbs, at $40.00 per 100. These make extra fine pot plants with 10, 12 and more flowers, which sell readily at $2.00 and upwards wholesale.

CLUCAS & BODDINGTON CO.
342 West 14th St., Telephone 461 18th, New York City
Importers, Exporters and Crowers' Agents of SEEDS, BULBS and PLANTS.

McKELLAR & WINTERSON,

Fall Bulbs Of All Kinds

Write for quotations on your wants now. Should you not receive our list, notify us and same will be mailed.

FULL LINE OF ALL
Florists' Supplies, Cut Flowers, Etc.

McKELLAR & WINTERSON, 45-47-49 Wabash Ave., CHICAGO, ILL.

Vaughan's Columbian Cinerarias

This mixture is this year finer and more complete than ever.

This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors.

Columbian Cinerarias. This is the best mixture in existence; per trade pkt., about 1000 seeds, 50c., 3 pkts. for $1.25.

Cineraria Hybrida, large flowering mixed, trade pkt., 25c.

Cineraria Hybrida Nana, large flowering dwarf, mixed trade pkt., 25c.

Cineraria, large flowering double mixed, trade pkt., 50c.

Cineraria, large flowering double white, trade pkt., 50c.

Calceolaria Hybrida. Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties, and we know it will give entire satisfaction. Trade pkt., 1000 seeds, 50c.

Cyclamen, Giant Flowered

Cyclamen Persicum Giganteum Splendens.

We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors.

	100 seeds.	1000 seeds.
Mont Blanc, pure white	$.75	$5.00
Deep Crimson, very large	.75	5.00
Rosa von Marienthal, pink	.75	5.00
White, Carmine Eye	.75	5.00
Giant Flowered Sorts best mixed, ⅓ oz., $1.50	.50	4.50

PANSIES

Vaughan's "International."

Received the only reward for Mixed Pansies at the World's Fair. It is to-day better and more complete than ever. It contains the cream of the stock of 10 Pansy specialists. There is no better mixture in existence, as all the florists who saw or used it can tell you.

Price, per oz., $10.00; ½ oz., $5.00; ¼ oz., $2.50; ⅛ oz., $1.50; trade pkt., 50c.

Vaughan's "Giant Mixture."

This mixture is specially made up by us from all the above separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and several special strains which cannot be had any other way. If your trade demands large flowers there is no better mixture.

Price, per oz., $4.00; ⅓ oz., $1.00; ⅙ oz., 60c.; trade pkt., 25c.

SPECIAL OFFER. We furnish any five 25c., trade pkts. of Giant Pansies for $1.00.

Vaughan's Premium Pansies Mixed.

Embraces all the varieties of the Fancy German sorts. We have sold this mixture for the past fifteen years and it has given general satisfaction.

Per pkt., 25c.; ⅛ oz., 80c.; ¼ oz., $3.00; oz., $5.50.

CHICAGO PARKS BEDDING PANSIES, "Choice Mixed"—in many colors. Pkt., 10c.; ¼ oz., 30c.; oz., $1.00; 4 oz. for $2.00.

Giant White, Giant Yellow, Giant Beaconsfield, Giant Striped, Giant Emperor William, Giant Paris Market.

Each, per trade pkt., 25c.; (any 5 for $1.00) ⅛ oz., 35c.; oz., $2.00.

Giant Bugnot. Our strain of this is of exceptionally good quality, none better.

Trade pkt., 25c., ⅛ oz., 75c., oz., $5.00.

Gloxinia Hybrida, Vaughan's Mixture.

This mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and includes such new sorts as Emperor William and Frederick, Princess Louise, Defiance, etc., and we know that better seed is not to be had at any price. Trade pkt., 1000 seeds, 50c.; 3 pkts. for $1.25.

Chater's Prize Hollyhocks.

Our seed of this has been saved from the finest and largest double flowers only and will produce flowers extremely double and in the best, brightest and most distinct colors.

Sow now

Double Pure White, ¼ oz., 35c; 1 oz., $1.25; trade pkt., 10c.

Double Yellow, Pink, Purple, Red, Rose, Salmon, Crimson, each, ¼ oz. 35c.; 1 oz., $1.25; trade pkt., 10c.

Chater's Prize Hollyhocks, double mixed, ¼ oz., 35c.; 1 oz., $1.25; trade pkt., 25c.

Double Hollyhocks, good mixed, ¼ oz., 25c.; 1 oz., 85c.; trade pkt., 10c.

Vaughan's International Primula Mixture.

This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. It contains some of the Giant sorts, some Fern-leaved, some blue; also some with dark leaves and stems. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it to everyone.

Price for International Mixture. { Pkt. of 350 seeds, 50c; 5 pkts., 1750 " $2.00; Per 1-16 oz..... 2.50

Vaughan's Seed Store, 84-86 Randolph Street, CHICAGO. 14 Barclay Street, NEW YORK.

ESTABLISHED 1802

THORBURN'S SEEDS

JUST ARRIVED

Fresh Seeds

—OF—

	Per 1000 Seeds
KENTIA BELMOREANA	$4.00
KENTIA FORSTERIANA	$4.00

WHILE UNSOLD.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention American Florist

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

CINERARIA

Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.

CYCLAMEN

Large-fl. Splendens. Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.

PRIMULA

Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.

PANSY

Rolker's Giant, $5.00 oz.; ½ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 32 Dey St., New York.

When writing mention the American Florist.

ELECTROS

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock. Our collection includes the leading

ANNUALS
BIENNIALS
HARDY PERENNIALS
POT PLANTS
FLORISTS' FLOWERS
TREES AND SHRUBS
Also PARK AND GARDEN SCENERY.

PRICE FOR CASH ONLY 15 CENTS PER SQUARE INCH

THE AMERICAN FLORIST CO.

.....324 Dearborn Street, CHICAGO, ILL.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

PROF. J. M. STEDMAN is engaged in inspecting the nurseries of Missouri.

GEO. A. SWEET's nursery at Dansville, N. Y., had a narrow escape from a field fire on August 18.

IN Ford County, Kansas, the grape yield this year will be the heaviest on record. Concord heads the list.

J. A. RAMSBURG, Frederick City, Md., has a block of 200,000 two-year apple trees and his peach block contains over 300,000 trees.

WM. H. BARNES, secretary of the Kansas State Horticultural Society, reports a grape yield seventy-two and one-half per cent of a full crop.

NURSERYMEN by scores will attend the twenty-sixth biennial session of the American Pomological Society to be held at Philadelphia next week, September 7 and 8.

Augusta, Ga.

The severe drought which has prevailed throughout this section for several weeks has finally been broken and we are now having copious rains. Notwithstanding the total failure of the fruit crop by the February freeze, the demand for nursery stock is very large, and many extensive commereial orchards of peaches and plums will be set out in Georgia the coming winter. The demand for palms is largely on the increase.

Forestry in the United States.

The Secretary of Agriculture is preparing for distribution at the Paris Exposition a publication which is to contain a resume of the achievements of the United States in every branch of science as related to agriculture in the nineteenth century. Each Bureau and Division will contribute to the work and the Division of Forestry will prepare an account of the efforts of private land-owners to apply the principles of forestry. There are very many ways in which these principles may be and have been applied and to all of those who have accomplished something in this line, even if ever so little, the Department extends an invitation to address Gifford Pinchot, forester, Department of Agriculture, Washington, D. C., in order that all experiences may be considered in the preparation of this valuable report.

GREEN BAY, WIS.—H. Raymaker & Sons are building a range of houses 70x75 for vegetables and mushrooms.

CLARKSVILLE, TENN.—James Morton will go to Waco, Texas, November 15 to 17 to perform his annual function as judge of the flower show.

KANKAKEE, ILL.—Faber Bros. are making haste in the erection of two greenhouses 20x60 which will cost about $1,500. They will be thoroughly modern throughout.

COLD SPRING, N. Y.—The next monthly meeting of the Dutchess County Horticultural Society will be held here Wednesday, September 6, on invitation of the Putnam County Chrysanthemum Society, whose rooms are given for the meeting. I. L. Powell will read a paper and a good time is promised.

AUCTION SALE.

50 Acres of Nursery Stock,

THURSDAY, SEPT. 14th.

CONSISTING OF

SHADE TREES, EVERGREEN TREES,
DECIDUOUS AND EVERGREEN SHRUBS,
RHODODENDRONS, ROSES
AND HARDY HERBACEOUS PLANTS.

Over 500 Specimens of Deciduous and Evergreen Trees!

Stock may remain on the ground until April 1st, 1900.
Terms liberal and made known on day of sale.
CIRCULAR GIVING FULL DETAILS MAILED FREE TO ALL APPLICANTS.

WM. ELLIOTT, Auctioneer.

J. T. LOVETT, Little Silver, N. J.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free.

THE STORRS & HARRISON CO., Painesville, O.

When writing please mention American Florist.

F. JAMES,

Nurseryman,

USSY (Calvados), FRANCE,

begs to offer a large assortment of

**FRUIT TREE STOCKS,
FOREST TREE SEEDLINGS,
ORNAMENTAL SHRUBS,
CONIFERAE, ETC.,....**

good sizes, prices low; packing extra; wholesale Price List free on demand. Send your lists of wants before giving your orders. You will receive quotations by return of mail and save dollars.

For Parks, Cemeteries or Private Grounds

we can furnish a very large and superior stock of

FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.

Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.

Remember we are Headquarters for Nursery Stock in the East.

Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.

SATISFACTION GUARANTEED. ADDRESS...

STEPHEN HOYT'S SONS, New Canaan, Conn.

NURSERYMEN....

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

HARDY SHRUBS.

Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

HARDY Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

HEADQUARTERS FOR HARDY ROSES.

We are now booking orders for Roses in large lots at **REDUCED PRICES**. Write for particulars.....

W. & T. SMITH CO., Geneva, N. Y.

Viburnum Tomentosum

A RARE AND BEAUTIFUL SHRUB.

HERBACEOUS PERENNIALS A SPECIALTY

Price list and descriptive catalogue on application.

REA BROTHERS, Norwood, Mass.

HOME OF CHOICE TREES and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.

Frank Brunton, Mgr. Catalogue free.

HERR'S PANSIES

THERE is nothing more satisfactory than a good strain of Pansies, and nothing more unsatisfactory than a poor one. Mine are the satisfactory kind.

PLANTS ONLY.

Free by mail at 75c. per 100; 250 for $1.50; 500 for $2.50. By Express, $4 per 1000.

ALBERT M. HERR,
LANCASTER, PA.

A limited supply of SEED from a first-class strain at $1.50 per ¼ ounce.

PALM Seed.

FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5.00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

PANSIES

THE JENNINGS STRAIN

are considered by many florists as the finest American strain to date. Large flowering and most brilliant colors in great variety.

NEW CROP NOW READY.

Finest mixed—pkt., $1.00; ⅛ oz., $3.00; 1 oz., $5 00.

Finest white—blue, black and yellow in separate colors, 50 cts. per pkt.

Plants ready in any quantity Sept. 1st, '99.

☞ CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.

PANSIES.

Roemer's Superb Prize Pansies

This improved strain includes all the leading novelties, strong bushy plants, ready now, 60c. per 100, by mail; $2 per 500, by express: $4 per 1000; $7 per 2000; $10 per 3000; $15 per 5000. ☞ Cash with order.

PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.

SMILAX. Strong one year old plants, 2½ and 3-inch pots. **$2 50 per 100, $20 a 1000.**

Choice New SMILAX SEED, 25c. per oz., $4 per lb.

PAEONIES for fall planting in choice assortment, **$10 per 100.**

CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

CYCLAMEN, PRIMULAS, CINERARIAS.
FINEST STRAIN IN THE WORLD.

Cyclamen Persicum Splendens (gdg.) in four assorted colors, fine plants from 3-inch pots, $8.00 per 100; $75.00 per 1000.

Chinese Primroses (fringed foliage), best market varieties, single, from flats, $2 00 per 100; from 2-in. pots, $2 50 per 100. Double white and red from 2½-in. pots, $4.00 per 100; single blue, same price.

Cineraria, Hrb. Maxima grandiflora and nana, from flats, $1.75 per 100. SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

BROWALLIA GIGANTEA.

Fine plants to grow on for your Xmas trade.

Rooted cuttings	$2.00 per 100
Out of 2½-inch pots, bushy	4.00 "
Out of 3½-inch pots, bushy	6.00 "

Samples for 10 cts. in stamps.

HENRY EICHHOLZ, Waynesboro, Pa.

FORCING ROSES

In First-Class Condition for Planting Up.

	Per 100	
BRIDES	2½-in. $3.00;	3½-in. $8.00
BRIDESMAIDS	2½-in. 3.00;	3½-in. 8.00
METEORS	2½-in. 3.00;	3½-in. 8.00
PERLES	2½-in. 3.50;	3½-in. 9.00
MRS. R. GARRETT	2½-in. 4.00;	3½-in. 10.00
PAPA GONTIER	2½-in. 4.00;	3½-in. 10.00
AMERICAN BEAUTY	3-in. 8.00;	3½-in. 12.00

2-in. pots, ready for 3-in. at $2.00 per 100.

An assortment of TEAS and HYBRID TEAS as per recent adv. in this paper.

ACALYPHA SANDERI. ORDER NOW.
Strong, 4-inch $20.00 per 100
Strong, 5-inch 35.00 per 100

BABY PRIMROSE (Primula Forbesi).
Strong plants, in bloom, at $1.25 per dozen; $8.00 per 100.

BAY TREES,
In extra fine condition: in Standards and Pyramids, all sizes. Write for prices.

POINSETTIAS, strong, stocky plants, now in 3-inch pots, ready for a shift, per 100, $10.00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
Greenhouses: WESTERN SPRINGS, ILL.

FIRST QUALITY FORCING ROSES!

Perfectly Healthy and Grown Especially for Late Planting.
Only selected growth from flowering shoots used in propagating.

SUNSET, SAFRANO, PRES. CARNOT, KAISERIN, METEOR, MAIDS, WOOTTON, PERLE, MME. HOSTE.

3-inch pots, $5.00 per 100; 4-inch, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Manetti Rose

Best grafting size; Home-grown; clean and smooth. Our stocks are best qualified for grafting purposes. Choice of two grades. Also RAFFIA for tying. Herbaceous Perennials, Shrubs, Trees and Vines.

THOMAS MEEHAN & SONS, GERMANTOWN, PA.

AMERICAN BEAUTY

Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

ROSES!

STRONG 3-IN. BRIDES AND MAIDS.....
$5.00 per 100, $45.00 per 1000.
2½-in., $25.00 per 100.

HARKETT'S FLORAL NURSERY,
DUBUQUE, IOWA.

ROSE PLANTS.

To close out—**2000 MAIDS, $3 per 100; $25 per 1000.** All fine stock. Cash with order from unknown parties.

BRANT & NOE,
FOREST GLEN, - ILL.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices.

Send for prices. **Cash with order.**

SMILAX, fine young plants, $12.00 per 1000.

THE NATIONAL PLANT CO., Dayton, O.

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,
42 W. 28th St., - NEW YORK CITY.

ROSES. ROSES.

Maids, Brides, Woottons and Kaiserins,
3-in., fine stock, $5.00 per 100; $45.00 per 1000.

Maids, Brides, Woottons and Meteors,
2 and 2½-in., $3.00 per 100; $25.00 per 1000.

Robert F. Tesson, West Forest Park, ...St. LOUIS, MO.

ROSE PLANTS.

FINE HEALTHY STOCK.	Per 100
METEOR, 3 and 4-in	$4.00 and $6.00
BRIDE, BRIDESMAID and PERLE, 3-in	4.00
PRES. CARNOT, 3-in	6.00
BEAUTIES, 3½-in	6 00

BROWN & CANFIELD, Springfield, Ill.

SOME FINE PLANTS OF

Brides & Maids

3½-in. pots at $20.00 per 1000.

What have you in Scarlet Carnation plants? Might trade.

MORTON GROVE GREENHOUSES,
Paul Kreismann, 27 Market St., Chicago.

ROSES.

BRIDE, BRIDESMAID, PERLE, WOOTTON, MME. CHATENAY,
3 and 4-in. pots, $5 per 100.

The above are all good, strong stock, fit for immediate planting.

EVENDEN BROS., Williamsport, Pa.

WE ARE NOW CUTTING NEW

Brides, Maids and Beauties, also fine lot of Asters.

Still a few BRIDES, WOOTTONS, BEAUTIES; also SMILAX PLANTS. Write.

GEO. A. KUHL, Pekin, Ill.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

There are buyers for all kinds of stock advertised in the American Florist

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

St. Louis Juniors.

At the second meeting of the Junior Florists' Bowling Club of St. Louis the following scores were made:

Name.	1st.	2d.	3d.	Av.
A. Y. Ellison	124	104	130	119
James Arado	108	107	98	104
J. H. Lupe	106	101	104	104
W. Holtz	136	97	74	102
H. Betteken	91	91	125	102
G. Angermueller	88	104	79	90
W. Adels	90	107	73	90
F. Ellis	84	73	100	86
A. Meyers, Jr	44	97	108	83
E. Gerlach	73	72	92	79

A. Y. E.

Pastimes at Flatbush.

Nobody would imagine from the cheery atmosphere which pervaded the bowling alleys on Flatbush avenue last Thursday night, that the local club had come home from the Detroit tournament with nothing more valuable in the way of a trophy than the cheese medal that Louis Schmutz had magnanimously voted to present them with. Valiant Captain Mellis was absent but had he been there no doubt he would also have accepted gracefully the bandinage of the stay-at-homes who were, of course, ready to tell all about how it would have turned out at Detroit had they only been there.

There came from New York four visitors and out of four "pots" they captured three; even the big Telegraph cucumber put up for the man who should make the best score was scooped in by one of the New Yorkers; yet Flatbush good nature triumphed over all. Papa Zeller's smile was more beaming than ever, Louis Schmutz displayed his new brown slippers and his agility with customary vigor, Riley said not a word and Woerner philosophically asserted that it was "no use swearing." And New York magnanimity was shown when Traendly unselfishly presented the coveted cucumber to Louis Schmutz in honor of his fifty-fourth birthday which was ushered in just as the party broke up. Papa Zeller then mounted a chair and announced that the Arcanum cup would be given to the member making the highest average in September. Here are the scores made during the evening:

Name	1st	2d	3d	4th	Av.
O'Mara	96	*169	147	170	146
Riley	162	146	123	134	141
Schmutz	*182	140	125	114	140
Traendly	122	133	99	*190†	139
J. Manda			112	165	139
Rayner	173	145	111	124	138
Donlan	95	115	*171	158	135
Stewart	151	98	137	94	127
P. Dailledouze	135	123	121		126
H. Dailledouze	134	124	104		121
Zeller	112	148	95	81	109
Wocker	110	128	90		109
Woerner	110	100	92		101

* Pot. † Cucumber.

Pennville Notes.

Things are now a bit quiet; the boys are resting on their oars, as it were. They are receiving congratulations on all sides for their good work. The Challenge trophy is safely lodged in the case from which it was taken a year ago and looks handsomer than ever. None of the other prizes have arrived as yet but no doubt they will reach us in good season. The shooters are somewhat despondent but the victory of the bowlers is probably glory enough for the club for one year, they think, and next year they will try to redeem themselves. Pittsburg, it seems, gets another cup now here, which the club won at Providence. This, like the Lockland trophy, has to be won twice. Considerable bowling is indulged in but nothing remarkable appears on the slate. K.

Detroit.

TRADE GOOD, BUT THE DROUGHT MAKES OUTSIDE STOCK POOR.—SHAW HAS RECOVERED.—THE LAST GUEST DEPARTS.—RACKHAM ON VACATION.—JOTTINGS.

This town and vicinity is suffering from the drought that has prevailed for the past month and, as a consequence, all outside grown flowers are of very poor quality. Sweet peas of any kind are very scarce and the asters, which, in the early part of the season, were so fine, are now getting poorer and more scarce every day. Business is generally fair, with brisk demand for American Beauties, which are coming in good. There is also a fair supply and demand for other varieties of roses. Carnations, always sought for, are scarce, as usual at this time; some of the local growers are already planting their houses.

J. Austin Shaw has recovered sufficiently from his convention accident to return to his home in New York.

Geo. A. Heinl, of Toledo, prolonged his visit here till Wednesday of this week. He was the last of the S. A. F. to leave us.

Andrew Ferguson is removing his city greenhouse to his home establishment on Moran street and contemplates abandoning his present retail place on Willis avenue, but will open a store on Woodward avenue, in the retail district, this fall.

A. N. Kaier, of Woodmere, is building four new houses 15x100, using 16x24 glass lapped.

Geo. A. Rackham, now free from the work of managing the convention exhibits, left with his wife last Saturday for Mackinac and the resorts of the upper lakes. They will remain away for two weeks.

Frank Danzer has opened his retail store on Woodward avenue. Mr. Danzer is a Detroiter, but for four years has had charge of the cut flower department of the Livingston Seed Co., Columbus. He is well qualified to make a success of the business. J. F. S.

GENEVA, N. Y.—C. P. Close, assistant botanist and horticulturist at the New York State Agricultural Experiment Station here, has received the appointment of professor of these subjects at the Utah State Agricultural College at Logan, Utah.

FLORISTS' HAIL ASSOCIATION.

REPORT OF SECRETARY.

On the first day of August, 1899, the 864 members comprising the Florists' Hail Association insured an aggregate of 11,209,865 square feet of glass, subdivided as follows: Single thick, 2,838,-569; double thick, 5,934,262 square feet; extra one-half, single thick, 254,535 square feet; extra one-half, double thick, 446,116 square feet; extra whole, single thick, 650,685 square feet; extra whole, double thick, 1,436,038 square feet.

The receipts for the year ending August 1, 1899, have been: From ninth assessment, $6,339; from new business, as per accompanying treasurer's report, $1,072.62; money refunded, $91.62; interest on investments, $241.78, and from reinsurance of glass, $67.20—making total receipts for the year, $8,712.22.

Disbursements have been: For losses, $5,337.39; for expenses, $1,220.88; money invested on account of reserve fund, $800—making a total of $7,358.27.

The cash balance on hand is $4,334.88, of which $649.25 belongs to the reserve fund, leaving $3,685.63 available in the emergency fund.

The reserve fund on August 1, 1899, was $6,000 in securities and $649.25 cash, making a total of $6,649.25, a sufficient guarantee that all losses will be promptly met, if claims are properly presented.

42,084 square feet of single thick and 32,438 square feet of double thick glass belonging to insured members have been paid for during the year.

The percentage of loss on single thick was 14 14651.17741 per cent and .05 1338345.2967131 on double thick. The record of hail storms for the past 12 years, so far as your secretary has been able to ascertain, is appended below:

STATES.	No. of hailstorms from June 1, 1887, to August 1, 1899.	No. of losses paid from June 1, 1887, to August 1, 1899.	No. of hailstorms for year ending August 1, 1899.	No. of losses paid for year ending August 1, 1899.
Maine	3	..	..	..
Vermont	3	..	..	..
New Hampshire	4	1	1	..
Rhode Island	3	..	..	..
Connecticut	5	..	1	..
Massachusetts	9	..	2	..
New York	61	7	12	1
New Jersey	38	5	2	..
Pennsylvania	49	22	4	3
Delaware	1	1	..	..
Ohio	37	28	3	1
Indiana	11	4	2	..
Illinois	48	34	6	5
Michigan	12	4	3	1
Wisconsin	19	19	4	5
Minnesota	18	7	2	2
Iowa	29	35	6	8
Missouri	35	67	6	8
Kansas	38	59	11	15
Nebraska	19	25	6	8
Arkansas	2	..	..	..
Colorado	22	22	2	6
North Dakota	6	1	1	..
South Dakota	8	4	..	..
Montana	1	..	..	..
Wyoming	3	3	2	2
Maryland	6	3	..	..
Virginia	2	1	..	..
West Virginia	11	3	1	1
North Carolina	3	..	..	..
Kentucky	7	2	2	..
Georgia	3	..	..	..
Texas	5	1	..	..
Louisiana	2	..	..	..
Tennessee	1	1	..	..
Florida	1	..	..	..
Mississippi	1	..	..	..
Oklahoma Territory	5	6	1	2
Indian "	..	..	..	..
District of Columbia	3	..	..	..
Canada	2	1	..	..
New Mexico	1	1	1	1

It might be well to call attention to the fact that New York State, where the Florists' Hail Association has had a very small percentage of patrons, has suffered from 61 hailstorms, and only 7 losses have been paid, while Missouri, where an unusually large percentage of florists are insured, has a record of 35 storms and 67 losses paid. Further comparisons may be interesting.

The increase in insurance the past year has been fully up to the largest gain of any preceding year and the trade is slowly but surely learning by sore experience that to ignore hail insurance is a "pennywise, pound foolish" policy.

JOHN G. ESLER, Sec'y.

REPORT OF TREASURER.

RECEIPTS.

Money returned by A. T. De La Mare & Co.	$6.00
Money returned by Baker Bros.	85.62
Interest on government bonds	11.78
Interest on Chicago bond	20.00
Interest on Orville township bonds	50.00
Interest on county Du Page bonds	50.00
Interest on Tri-State Building and Loan investment	110.00
Received from eighth assessment	6339.00
Received from membership fees	786.77
Received from new assessments	595.33
Received from additional assessments	276.31
Received from extra one-half	85.70
Received from extra whole	228.51
Received from re-insurance	67.20
Total	$8712.22

DISBURSEMENTS—LOSS ACCOUNT OF THE FLORISTS' HAIL ASSOCIATION OF AMERICA.

Aug. 4, S. H. Dole & Son, Beatrice, Neb.	$12.19
Aug. 4, Mrs. A. Meacham, Salida, Col.	83.83
Aug. 6, Vickery Bros. & Co., Pawnee City, Neb.	4.85
Aug. 8, G. F. Espenlaub, Rosedale, Kan.	7.70
Aug. 20, J. C. Vaughan, Chicago, Ill.	367.62

Aug. 29, Geo. B. Robbins, Gilesbury, Ill., for Hinsdale Rose Co..... 166.46
Aug. 30, Ernst Wienhoeber, Chicago, Ill.... 221.27
Aug. 30, Arthur Thoruhill, Rosedale, Kan.. 21.20
Aug. 30, Mrs. J. J. Young, Raton, N. M..... 8.55
Aug. 30, C. E. Heite, Kansas City, Mo..... 43.40
Sept. 12, Lewis Henderson, Omaha, Neb.... 36.75
Sept. 28, Wm. Krumm & Sons, St. Joseph, Mo. 262.50
Sept. 28, C. W. Sherfey, Nebraska City, Neb. 8.80
Oct. 14, John F. Rupp, Shiremanstown, Pa. 7.25
Oct. 17, Maplewood Cut Flower Co., Pleasant Hill, Mo..... 126.72
Oct. 20, B. F. Bausman, Millersville, Pa... 3.75
Oct. 22, John Stamm, Hutchinson, Kan.... 17.22
Nov. 7, J. M. Hostetter, Millersville, Pa.... 9.04
1899.
Mar. 22, Geo. Stoltz, Louisville, Ky..... 50.00
Mar. 27, Edw. F. Wetstein, Louisville, Ky.. 231.25
Mar. 29, Wm. Krumm & Son, St. Joseph, Mo. 64.55
Mar. 29, E. H. Gilbert, Winfield, Kan..... 30.15
April 13, Mrs. Chas. Schmidt, Winfield, Kan. 13.23
May 2, E. P. Zimmerman, Tarkio, Mo.... 5.39
May 2, James Hayes, Topeka, Kan..... 11.62
May 5, Chapin Bros., Lincoln, Neb..... 85.60
May 15, Oak Grove Cemetery Association, La Crosse, Wis..... 112.14
May 18, Geo. Hancock & Son, Grand Haven, Mich..... 9.15
May 22, E. A. Barnhart, Clinton, Mo..... 21.50
May 22, James Hayes, Topeka, Kan..... 41.86
May 22, Green & Geol, Fremont, Neb..... 82.50
May 25, John A. Salzer, La Crosse, Wis.... 67.20
May 25, C. G. Anderson & Co., Atlantic, Ia. 69.80
May 25, Christian Laisle, Keokuk, Ia..... 97.95
May 26, Estate of M. D. Eggling, St. Louis 64.50
May 31, Michel Plant & Seed Co., St. Louis 86.50
June 2, J. E. Rodman, Topeka, Kan..... 56.02
June 2, I. W. Lozier, Des Moines, Ia..... 4.26
June 2, Henry Carstens, Omaha, Neb..... 24.60
June 8, Samuel R. Faulkner, Omaha, Neb. 52.10
June 8, Oak Grove Cemetery Association, La Crosse, Wis 169.78
June 8, Berno Floral Co., Mansfield, O.... 99.64
June 8, E. H. Marshall, Sabetha, Kan..... 32.20
June 10, John R. Rider, Sioux City, Ia..... 14.02
June 10, Theo. Kienahs, La Crosse, Wis.... 316.79
June 10, John A. Salzer, La Crosse, Wis.... 472.22
June 12, I. Parker, Fort Scott, Kans..... 76.45
June 12, M. J. Coventry, Fort Scott, Kans.. 269.30
June 13, L. S. Kilbourn, Marshalltown, Ia . 16.00
June 15, Mrs. Mary J. Chapin, Cheyenne, Wyoming..... 15.09
June 15, S. T. Stone, Carthage, Ill..... 7 28
June 19, Aug. Mirring, East St. Louis, Mo.. 102.60
June 19, S. D. Brant, Clay Center, Kan..... 32.40
June 19, J. J. Thomas, Mgr., Pueblo, Col.... 46.50
June 22, The Morton Lumber Co., " ... 22.85
June 24, Mrs. M. J. Heite, Merriam, Kan... 38.38
June 24, C. Humfeld, Clay Center, Kan..... 58.50
June 28, Edward Kirschner, Winona, Minn. 15.04
June 28, O. B. Palmer, Cherokee, Ia..... 23.70
June 30, Mrs. A. Van Shaick, Marshalltown, Ia..... 34.77
July 1, G. Fleischer, Pueblo, Col..... 32.40
July 6, Otto Andrea, Central Valley, N. Y. 403.20
July 6, L. A. Smith, Wheeling, W. Va..... 47.80
July 12, Joseph Bancroft & Son, Cedar Falls, Ia..... 178.20
July 12, Harry Baker, Pueblo, Col..... 22.36
July 12, C. E. Kern, Kansas City, Mo..... 12.80
July 18, J. O. Zimmerman, Pueblo, Colo.... 41.60
July 26, Mrs. Mary J. Chaffin, Cheyenne, Wyoming..... 31.44
July 26, L. L. May & Co., St. Paul, Minn... 13.01
Total.....$5337.39

EXPENSE ACCOUNT OF THE FLORISTS' HAIL ASSOCIATION OF AMERICA.
1898.

Aug. 4, A. T. De La Mare, printing circulars $2.25
Aug. 4, New England Florist Co., advertising..... 3.15
Sept. 5, The American Florist, adv. and printing reports..... 24.50
Sept. 5, A. T. De La Mare, printing reports 1.10
Sept. 5, Florists' Pub. Co., advertising.... 20.00
Sept. 5, Market Street Printing House, printing reports..... 3.50
Sept. 9, Market Street Printing House, printing envelopes..... 2.75
Sept. 9, Florists' Exchange, advertising... 3.00
Sept. 19, New Eng. Florist Co., advertising 2.80
Sept. 26, A. T. De La Mare, printing letter heads and orders..... 6.76
Oct. 1, New Eng. Florist Co., advertising 1.50
Oct. 14, A. T. De La Mare, printing constitutions and laws..... 15.26
Nov. 7, Albert M. Herr, expenses to Millersville, adjusting loss..... .50
Dec. 15, A. T. De La Mare, printing ass. blanks and envelopes..... 28.90
Dec. 20, John G. Esler, express, postage and revenue stamps..... 10 65
Dec. 26, W. Humphreys, two record books 1899..... 32.00
Jan. 25, John G. Esler, on account for salary 250.00
Feb. 6, Lancaster Trust Co., box rent..... 5 00
Feb. 6, A. T. De La Mare, printing circulars 2.50
Mar. 11, John G. Esler, postage and revenue stamps..... 42.29
Mar. 15, Florists' Exchange, advertising... 6.50
Apr. 13, A. T. De La Mare, printing letter heads and notices..... 4.50
Apr. 13, John G. Esler, postage and revenue stamps..... 33.32
May 18, Market Street Printing House envelopes..... 2.50
May 25, A. T. De La Mare, printing circulars 2.71
May 31, J. C. Vaughan, envelopes..... 1.25
June 2, Albert M. Herr, postage..... 20.37
June 8, A. T. De La Mare, printing letter heads..... 4.01
June 8, Market Street Printing House printing receipt blanks..... 1.50
June 24, A. T. De La Mare, printing warrants 2.90
June 28, Florists' Exchange for adv. in New England Florist..... 4.00
July 6, Albert M. Herr, on account for salary 200.00
July 18, John G. Esler, postage and revenue stamps..... 20.07
July 26, Florists' Exchange balance on New England Florist..... 3.50
July 26, Florists' Exchange, advertising to September, 1899..... 11.50
July 26, Florists' Publishing Co., advertising to September, 1899..... 16.50
July, 26, John G. Esler, balance on salary 305.00
July 26, J. C. Vaughan, salary..... 83.25
July 26, Albert M. Herr, balance on salary 22 00
July 26, American Florist Co., advertising 18.00
Total.....$1,220.88

RECAPITULATION—ALBERT M. HERR, TREASURER, IN ACCOUNT WITH FLORISTS' HAIL ASSOCIATION OF AMERICA.

	Dr.	Cr.
To balance on hand, August 1, 1898.....	$2,980.93	
To total receipts for year ending August 1, 1899.....	8,712.22	
By loses for year ending Aug. 1, 1899.....		$5,337.39
By expenses for year ending August 1, 1899.....		1,220.88
By investment account of reserve fund.....		800.00
Balance on hand, August 1, 1899		4,334 88
	$11,693.15	$11,693.15

RESERVE FUND INVESTMENTS OF THE FLORISTS' HAIL ASSOCIATION OF AMERICA.

Orville Townsbip N. J. bond, 5 per cent. $ 500.00
Orville Township N. J. bond, 5 per cent.. 500.00
County Du Page Ill., 5 per cent..... 500.00
County Du Page Ill., 5 per cent..... 500.00
City of Chicago, 4 per cent..... 500.00
United States Government, 3 per cent.... 500.00
Tri-State Building and Loan of Fort Wayne, Ind., 5 per cent..... 2,200.00
Certificate of Deposit Lancaster Trust Co. 4 per cent..... 800.00
Total.....$6,000.00

ALBERT M. HERR, Treas.

"Indispensable"

THIS is the only word which describes the American Florist Company's Trade Directory. This book, 359 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

EDITION OF 1899, POSTPAID, $2.00.

IN FLEXIBLE LEATHER BINDING, $3.00.

AMERICAN FLORIST CO.,

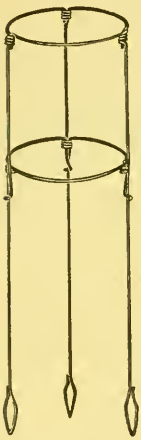
324 Dearborn St., CHICAGO, ILL.

Purcellville, Va.

A. B. Davis & Son are completing a range of six new houses 25x120 which will give them over 40,000 feet of glass. They are growing 20,000 carnations of the newer sorts for cut flowers and rooted cuttings. In the field they have 40,000 dahlia roots in 100 varieties. Rex begonias are quite a feature with this firm, 75,000 having been propagated last winter, with plans for twice as many this year. They are growing 12,000 roses for propagating and do a wholesale business in rooted cuttings as well as a large catalogue mail trade. They report a fair share of prosperity.

MANHEIM, PA.—Abraham Hostetter is completing a large addition to his glass for carnations and violets, five houses being built, four of them 16x203 and one 16x25.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.,
Dear Sir:—Your Model Carnation Support is all right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y. Feb. 18, '97.
MR. THERON PARKER,
Dear Sir.—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to date carnation support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb 18, '97.
MR. THERON PARKER,
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing you every success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes
AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

CARNATIONS
Stocky, well-grown plants at
$5.00 per 100.
TRIUMPH, ALASKA, PAINTED LADY and MRS. NORTHWAY.
JOY & SON, Nashville, Tenn.

FINE Field-Grown Carnation Plants
Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Bon Ton and Scott. **$4 00 per hundred.**
Cash with order please.
VAN WERT GREENHOUSES, Van Wert, O.

CARNATIONS.
Extra strong, healthy field-grown. Now ready.
500 Victor, 500 Jubilee, 600 Flora Hill, 1000 Daybreak, 500 Silver Spray, } **5 cts.** { 200 Tidal Wave, 300 Scott, 200 Brady, 200 Pingree, 100 Meteor,
500 field-grown Vincas, 8c. 500 Marie Louise Violets, 4c.
FRANK BERRY, Stillwater, Minn.

75,000.... FIELD-GROWN CARNATIONS!
Extra fine plants, all carefully disbudded. Ready Sept. 1st.
For prices address
H. W. BUCKBEE, ROCKFORD, ILL.
FOREST CITY GREENHOUSES.

YOU MAY NEED... **CARNATION PLANTS**
this fall. If such is the case we will be pleased to hear from you. We have over 25,000 plants to select from. Flora Hill, Jubilee, Bon Ton, Victor and Empress, $6 and $8 per 100; $50 and $70 per M. Daybreak, $5 and $7 per 100. Lizzie McGowan, $4 per 100; $30 per M. Gold Nugget and Evanston, $10 per 100; and SANDUSKY, which you surely want to give a trial this winter, if you want large quantities of early, large and beautiful variegated flowers that will sell at sight to your customers. Nice, large plants from field, $10 per 100, $80 per M.
1899 NOVELTIES—Melba, America, G. H. Crane, Gen. Gomez, Gen Maceo and Gov. Griggs—$2 per dozen, $15 per 100.
Also have a few hundred of the BABY PRIMROSE of true stock from 2 and 2½-in. pots, @ 75 cts. and $1.00 per doz; $5 and $7 per 100.....
W. E. HALL, Clyde, Ohio.

CARNATIONS
Field-grown plants, medium to large.

	Per 100		Per 100
MELBA	$12.00	STORM KING	$5.00
JUBILEE	6.00	WELLESLEY	5.00
ALBERTINI	6.00	MRS. F. JOOST	6.00
PINGREE	6.00	FIREFLY	5.00
MRS. DUHME	6.00	ARGYLE	5.00
McBURNEY	6.00	EVELINA	7.00
TRIUMPH	7.00	EMPRESS	7.00
HECTOR	8.00	MRS. JAS. DEAN	6.00
ARMAZINDY	6.00	JOHN YOUNG	6.00
PORTIA	5.00	UNCLE JOHN	6.00

H. WEBER & SONS, Oakland, Md.

CARNATIONS FROM FIELD.
I have a few thousand clean, healthy plants to offer of the following varieties:
Flora Hill, Alba Superba, Evelina, Victor, Hector, Wm. Scott, Minnie Cook and Pingree.
Write for prices. Robt. Lockerbie, Successor to Pennrock Co.
HOLYOAK, DEL.

DAYBREAK!
Extra fine field-grown plants, now ready for delivery—$6.00 per 100.....
JOHN McFARLAND,
NORTH EASTON, - - - MASS.

A BARGAIN IN FIELD CARNATIONS.
300 DAYBREAK.....per 100, $3.00
200 TRIUMPH..... " 4.00
200 EMPRESS..... " 4.00
200 JOHN YOUNG..... " 4.00
These are fine, large plants, ready to cut from now.
Address E. F. OVERMAN, Wabash, Ind.

SURPLUS CARNATIONS!
ALL VARIETIES SOLD BUT
...500 Jubilee...
medium to large, clean and healthy, $5 per 100.
Cash with order. W. SABRANSKY, Kenton, O.

....30,000 FIELD-GROWN CARNATIONS!
SCARLET WAVE, DAYBREAK, SCOTT, TIDAL WAVE, ALASKA and SEBEC, extra fine plants, $5.00 per 100, $45.00 per 1000
CASH WITH ORDER.
Also a large assortment of Palms, Rubbers, Cycas and Bay Trees. Prices on application.
H. C. STEINHOFF, 678 Hudson Boul., W. HOBOKEN, N. J.

Carnation Plants.
EXTRA FINE FIELD-GROWN STOCK, Ready Sept. 1st.

	Per 100	Per 1000
FLORA HILL	$6 00	$50.00
DAYBREAK	5.00	40.00
TRIUMPH	5.00	40.00
WM. SCOTT	4.00	35.00
GENESEE	4.00	35 00
McGOWAN	3 00	25.00
METEOR	4.00	35.00

We have over **20,000** of the above varieties to dispose of. Cash with order.
W. A. WETTLIN, Hornellsville, N. Y.

EXTRA FINE.. FIELD CARNATIONS
The kind we all know are good—
Daybreak, McGowan, S. Spray, Kohinoor, Dorner, Portia, Scott, $4 50 per 100; $40 per 1000.
Flora Hill, Triumph, Jubilee, Eldorado, Della Fox, Mrs. McBurney, Pingree, $6 per 100; $50 per 1000. We will add fine tested seedlings for trial with every order.
LAMPRECHT BROS., Ashland, O.

Field Grown Carnations
Best new and standard sorts. Write for catalogue and prices.
W. P. PEACOCK, Atco, N. J.

FIELD-GROWN VERY STRONG CARNATIONS
Plants ready now at bottom prices, including **Jubilee, Daybreak, Triumph,** at $4.00 per 100.
McGowan, Portia, Scott, Meteor, Morello, Ivory—at $3.00 per 100. Cash with order.
ED. KIRCHNER, Winona, Minn.

FIELD-GROWN Carnation Plants.
10,000 READY NOW.
New and Standard varieties, $4.00 to $10.00 per 100. Write me your wants.
CARL HAGENBURGER, West Mentor, Ohio.

It may be premature to talk
FIELD CARNATIONS!
Nevertheless I wish to remind you that it will pay you to correspond with me if in want of Standards or Novelties. Letters of inquiry cheerfully answered.
S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.

CARNATION CUTTINGS
ALL SOLD.

ASPARAGUS SPRENGERII, in 3, 4 and 6-in. pots. BABY PRIMROSE, 4-in. pots. ORACÆNA INDIVISA, 5 and 6-in. pots. Liberal discounts for liberal orders. All shipments will be well packed. We will endeavor to please you. Send in your orders early. Write us your wants; we can supply them.

We are now booking orders for fall delivery; fine plants from the field. Guaranteed strong, vigorous plants free from disease, of all leading varieties.

WRITE US YOUR WANTS.

LAKE VIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms.

JAMESTOWN, N. Y.

FIELD-GROWN
Carnations!

...SEPTEMBER DELIVERY AND LATER.

We have a very large stock, including

G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN

in good, healthy condition. Send for price list.

F. Dorner & Sons Co., La Fayette, Ind.

Field Grown **CARNATION PLANTS**

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

20,000 FIELD CARNATIONS

that must be sold: McGOWAN, PORTIA and SCOTT, fine healthy plants, $4.00 per 100; $35.00 per 1000.

5000 CALIFORNIA VIOLET CLUMPS, $3.00 per 100. MARIE LOUISE and LADY CAMPBELL pot-plants, $3.00 per 100. SWANLEY WHITE, $3.50. All healthy stock. Cash with order.

BENJ. CONNELL, Florist, West Grove, Pa.

Seedling Carnation Plants

Now too large to mail. Extras added to cover expressage. **Price, $4.00 per 100.** Two sample plants sent by mail for 10c.

TRY FOR THE $50.00 PRIZE.

American Rose Co., Washington, D. C.

CHOICE STOCK.

We have 4000 3-in. BRIDES, MAIDS and METEORS in finest possible condition to plant, and a few hundred 2¼-in. All go at 30 per cent. discount, to make room.

Write for figures. They are worth twice the prices we are making.

W. H. GULLETT & SONS, Lincoln, Ill.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.

GREENHOUSES AND ADDRESS
JOLIET, ILL.

STRONG FIELD-GROWN
CARNATION PLANTS

	Per 100	Per 1000		Per 100	Per 1000
EVANSTON	$10.00	$80.00	JUBILEE	$5.00	$40.00
FLORA HILL	5.00	40.00	MORELLO	5.00	40.00
EVELINA	5.00	40 00	ARGYLE	5.00	40.00
NIVEA	5.00	40.00	DAYBREAK	4.00	30.00
ARMAZINDY	5.00	40 00	McGOWAN	3.00	25.00
McBURNEY	5.00	40.00	PINGREE	3.00	25.00
TRIUMPH	5.00	40.00	TIDAL WAVE	3.00	25.00
			ALASKA	3 00	25.00

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS., 51 Wabash Ave., Chicago.

FIELD-GROWN CARNATIONS!

Strong plants, clean and ready for immediate planting.

	Per 100	Per 1000		Per 100	Per 1000
JUBILEE	$5.00	$45.00	MAYOR PINGREE	$3 50	$30.00
TRIUMPH	5.00	45 00	EVELINA	3 50	30 00
FLORA HILL	5.00	45.00	McGOWAN	3.50	30.00
ARGYLE	4.00	35 00	ALASKA	3.50	30.00
ARMAZINDY	4.00	35.00	BON TON	3.50	30.00
TIDAL WAVE	3.50	30.00	SCOTT	3 50	30.00

Wietor Bros., 51 Wabash Ave., Chicago.

CARNATIONS
VICTOR and DAYBREAK
FROM FIELD.

We have a few thousand fine, strong plants, $6.00 per 100, $55.00 per 1000. Cash must accompany order.

HALLIDAY BROS., 11 EAST BALTIMORE ST., ...Baltimore, Md.

4 Acres Field-Grown Carnation Plants, 100,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and packed light by our improved system of packing, by which we can send to all parts of the United States in perfect condition.

MRS. BRADT	WHITE CLOUD	$2 00 per dozen; $10.00 per 100.	
MAYOR PINGREE	LILY DEAN	MORELLO	BUTTERCUP
	$1.50 per dozen.	$8.00 per 100.	
C. A. DANA	ARMAZINDY	STORM KING	FLORA HILL
CRIMSON SPORT	DAYBREAK	JUBILEE	METEOR
CAPTAIN KINC	HELEN KELLER	TRIUMPH	ELDORADO
	$1.25 per dozen.	$6 00 per 100.	
McCOWAN	L. L. LAMBORN	SWEETBRIER	IVORY
MRS. FISHER	TIDAL WAVE	BRIDESMAID	PORTIA
ABERTINI	WM. SCOTT	$1 00 per dozen.	$5.00 per 100.

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring or freedom of bloom by any others grown. Price 50 cts. per 100; $4 00 per 1000.

J. L. DILLON, BLOOMSBURG, PA.

Milwaukee.

Single pink asters, called pink daisies, have sold very readily, only a limited quantity having been grown as an experiment; the light blue and white also sold but not so quickly.

Fred. Holton, of the Holton & Hunkel Co., is taking a two week's vacation to brace up for the coming winter trade, which promises to be large.

E. F. Lemke, of St. Paul, was a recent visitor. C. B. W.

New Haven, Conn.

Business is very good for the season. All flowers except carnations are very plentiful. Roses are coming in small and are used mostly in funeral work, of which there seems to be quite a little.

S. H. Moore, who, with his wife and son, has been enjoying a few week's vacation at Atlantic City, N. J., has returned home.

E. J. Morse is adding one carnation house 30x200, also two violet houses 10x150.

Smith Bradley expects his automobile to arrive this week. G. H.

Batavia, Ill.

The Bellevue Place Company is rapidly completing the extension and repairs in progress on its range of glass. The Moninger Co., Chicago, supplied the material for the improvements.

The Williams & Sons Company have nearly completed their new houses and are now putting up a new office. They do a large catalogue business.

F. E. Pearson is building a new greenhouse on the avenue, for general stock.

PRIMROSE

	Per 100.
CHINESE PRIMROSES, single, mixed, 2-in. pots,	$2.00
OBCONICA Grandiflora, 2 in. pots	2.50
" " Rosea	3.00
FORBESII, "Baby Primrose," 2-in. pots	4.00
ASPARAGUS SPRENGERII, 2½-in. pots	4.00
CARNATIONS, field grown	4.00
PANSY SEED, Benary ue plus ultra oz., $4.00; none better	

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Deleware, O.

BRIDES AND MAIDS

Strong, healthy plants from 3-inch pots, **$3.00 per 100.**

JOSEPH KIFT, Westchester, Pa.

Azaleas, Bay Trees, Palms, Araucarias,

Stock enormous, quality the finest.

SANDER, Bruges, Belgium.

AGENT: A. DIMMOCK,

60 Vesey Street, - - - NEW YORK.

HARDY PINKS

HER MAJESTY, SOUV. DE SALE, GERTRUDE, LAURA WILMER, ALBA FIMBRIATA, 2½ inch, $4.00 per hundred.

VIOLETS: Marie Louise, Russian, Swanley White, Sbonbrun, 2½-in. $3.00 per hundred.

The Conard & Jones Co., West Grove, Pa.

THE BOSTON FERN!



Elegant Specimen Plants

of this beautiful decorative fern for 7, 8 and 10-inch pots, spread 4 to 6 feet, at 50c., 75c. and $1.00 each, and smaller ones at 20c. and 25c. each for 5 and 6-in. pots. Cut from bench. No better money getter. Send orders now to pot up for fall sales. Can be safely shipped anywhere in the U. S.

SMALL PLANTS, $5 per 100..$40 per 1000.

Fine stock of **PANDANUS UTILIS**, 4½ and 5-in. pots, @ $25 and $35 per 100.

KENTIA BELMOREANA, 4-in. pots, $25 per 100.

LATANIA BORBONICA, 4-in. pots, $25 per 100.

L. H. FOSTER, 45 King St., Dorchester, Mass.

A NEW DECORATIVE PLANT.

Cryptomeria Japonica. Japan Cedar.

A dainty jardiniere evergreen often mistaken at first sight for Araucaria excelsa; as handsome as the latter, But not so stiff and formal; much better adapted to the trying atmosphere of living rooms, much more easily grown and ten times cheaper. **4-inch pots, $15 per 100; 2½-inch pots, $9 per 100.** 25 2½-in. for $2.50 postpaid.

ASPARAGUS SPRENGERII, 4-inch pots, $9 per 100. 2½-inch, $6 per 100.

Jackson & Perkins Co., Newark, Yew-York.

12,000 ROSES

occupy our propagating houses and must be moved **at once** to make room for **50,000 VERBENA and PETUNIA CUTTINGS.** In order to move this stock **quick** we will offer it at **HALF VALUE** for 30 days. Every plant guaranteed as fine as ever knocked out of 3½ and 4-in. pots—$4.00 per 100; cheap at $8.00: Meteors, Maids, Brides, Perles and La France, Kaiserin, Beauty and Mrs. Garrett, strong, 3-in., at same price.

Cash. First come first served.

20,000 CARNATIONS, standard sorts, fine plants, $3.50 per 100.

SMILAX PLANTS, strong, ready to string up, at $1.00 per 100; fine cut strings, 6 to 8 ft. long, 15c each.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Orchids!

ARRIVED IN FINE CONDITION, *Cattleya labiata*, C. Mossiæ, C. Speciosissima, C. Harrisoniæ violacea, C. Warneri, C. granulosa, Laelia anceps, L. a. alba, L. autumnalis, L. Prætaus, L. Dayana and Burlingtonia fragrans.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept. 15th.

Anton Schultheis, P. O. Box 78, College Point. New York City

Tell your wants in the American Florist.

PRIMROSES.

Chinese, 3 colors,
Obconica Hybridum,
" Fimbriatum,
3-in. pots, fine stock, ready for 5-in. pots, $5.00 per 100.

ROSES....

THE BRIDE, 3½-in. pots, as strong as generally sold from 4-in. pots, $5.00 per 100.

CYCLAMEN.

Finest strain in 4 colors, 2½-in. pots, $5.00 per 100.

CHRYSANTHEMUMS

We still have a quantity of the best varieties, suitable for late planting. Our selection from 2-in. pots, $2.50 per 100; $20 per 1000; 250 at 1000 rate.

Nathan Smith & Son, ADRIAN, MICH.

Crabb & Hunter,

VIOLET SPECIALISTS,

Orders booked now for field-grown plants. Write for prices. **Bridesmaids;** a few hundred fine plants cheap, 4-in. pots, $5 per 100. Who wants 'em? **Smilax** from 2½-in. pots, good bush plants, $1.25 per 100.

Grand Rapids, Mich.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

PARSLEY, strong plants 35c per 100; $2.50 per 1000; if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr. & SON, White Marsh, Md.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

15,000 Latania Borbonica.

Fine plants of exceptional value, viz.:

		Per 100	Per 1000
2 character leaves,	12-15 inch	$15.00	$125.00
3-4	" " 4-in. pots,	15-18 in. 20.00	150.00
4-5	" " 5-in. pots,	18-20 in. 25.00	
5-6	" " 5-6 in. pots,	18-20 in. 40.00	

CALADIUMS....
Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...
The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.
12-15 inch.....$12.00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS. 350 ACRES IN NURSERY STOCK.

Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries. AUGUSTA, GA.

BABY PRIMROSE,
12 for $1.50, $10.00 per 100 by mail.

ASPARAGUS SPRENGERI,
25 for $1.50 by mail, $4 per 100, express.

ACALYPHA SANDERI,
12 for $3, 100 for $25 by express.

SWEET-SCENTED CALLA,
12 for $1, 100 for $6 by mail.

New YELLOW CALLA Lemon Giant,
Large bulbs, many eyes, $7.50 for 12.

BEGONIAS, Tuberous, $2.50 per 100.

A. BLANC & CO.,
PHILADELPHIA.

BEGONIAS
Assorted varieties from 2-in. pots.
$2.00 per 100.
EXTRA STRONG.
GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**
CASH, PLEASE.

Edward B. Jackson,
STAMFORD, CONN.

Cyclamen Giganteum
IN.... VARIETY.

FINE PLANTS in
2½-in. pots.....$4.00 per 100
3 " 8.00 "

EDWIN LONSDALE,
Wyndmoor.
Money order office, Chestnut Hill (Sta. H.) Philadelphia, Pa.
Chestnut Hill, PHILA.

Catalogue Illustrations.
We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....
THE AMERICAN FLORIST CO.

Stock Plants and Pot Plants

	Per 100
COLEUS, 40 varieties, named	$5.00
CARNATIONS, Empress and Psyche	5.00
PETUNIAS, double fringed, 22 varieties, mixed	2½-in., 4.00
" " ruffled, 15 " "	" 3.00
GERANIUMS, Harmine and La Favorite	3-in., 3 00
ALTERNANTHERA, 3 varieties, named	2½-in., 2.00
FERNS—Timber Ferns, dormant, for 6-in. pots	10.00
LATANIA BORBONICA, 30 in. high, 5 leaves	30.00
ASPARAGUS PLUMOSUS	6-in., 25.00
LYCOPODIUM DENT., good for design work	2.00
ADIANTUM CUNEATUM	2½-in., 5.00
" true MAIDENHAIR	" 5 00
NEW YELLOW BABY PRIMROSE	2¼-in., 10.00
NEW GERANIUM, De Roo Mitting	2½-in., 10.00
PRIMULA, Chinese, Alba, Rubra and mixed	2¼-in., per 1000, $18.00; 2.00
" Japonica Alba	2¼-in., 2.00
BEGONIAS, flowering—A. Hunnewell, Mme. Charrat, Red Rubra, White Rubra, Cilbina, Argentea Guttata, M. de Lesseps, Erfordii, Red Vernon, Weltoniensis, Fuchsioides, Albo-picta, Sanguinea, Sandersoni, Hybrida Rosea and Semperflorens Rosea	2¼-in., 2.00
BEGONIA REX	6-in., 15.00
MITTING'S GIANT-FLOWERING PANSY PLANTS	per 1000, 4.00

5 plants at 100 rates (CASH).

YEARLY CAPACITY, 1,000,000 PLANTS.

THE MORRIS FLORAL CO.,
MORRIS, ILL.

...CHINESE...
PRIMROSES!

Extra strong, ready for 3-in. pots; well known throughout the U. S. and Canada as the finest large flowering fringed varieties grown. SINGLES, named—$2.50 per 100, $20.00 per 1000; DOUBLES, named, $4.00 per 100, $35.00 per 1000—250 at 1000 rates. Extra plants added to help pay the expressage.

PRIMULA Obconica Grand. Rosea, clear pink, extra, $3.00 per 100.

PRIMROSE SEED of best 13 varieties, single and double, mixed, 400 seeds, $1; half pkt., 50 cts.

....GIANT PANSY SEED....

The best of mammoth varieties: no finer ever offered; all the seed plants critically selected: Pkt., 3500 seeds, $1.00; half pkt., 50 cts A pkt. of new Forget-me-not "Jewel" added to every order for seeds.

STRICTLY CASH PRICES.

THE HOME OF PRIMROSES. **JOHN F. RUPP, SHIREMANSTOWN, PA.**

CASH PALM and FERN SALE.

	Per doz.	Per 100
Latania Borbonica, 2¼-in. 1000, $35,		$ 4.00
" " 4½-inch, strong, $3.00		20.00
" " 5-inch	4.50	32.00
" " 5½-inch	5.00	36.00
" " 6-inch	8.50	61.00
" " 7-inch	11.00	88.00
" " 8-inch...$18- 22.00		145-160.
Kentia Bel. & Fors., fine strong, low stuff, 5-inch	9.00	72.00
" " " 5½-inch	12 00	90.00
" " " 6-inch...$18-24.00		140-185.
" " " 7-in. $3-$4; 8-in. $1-$6 each.		

Adiantum cuneatum, elegant condition, 4½-inch, strong, $3 per doz.; $22 per 100; 5¼-inch, $5 per doz.; $35 per 100.
Ficus elastica, 5-inch, $5.50 per doz.; $45 per 100.
Sword Ferns, 3-in. $7, 4-in. $9.50, 5-in. $18 per 100.

ALBERT FUCHS, (Established 1884),
2059-73 N. Halsted St., HICAGO.
Only Chicago florist awarded Medal on Palms at World's Fair, 1893.

ADIANTUM CUNEATUM.
SELECT STOCK,
3-inch pots.....$6 per 100, $55 per 1000

M. A. HUNT FLORAL CO.,
P. O. Box 235. TERRE HAUTE, IND.

Smilax.
Fine plants out of 2-inch pots, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,
The Exotic Nurseries. DAYTON, OHIO.
CASH WITH ORDER.

Home Again!
from an extended tour through Europe, I find my stock of Palms, Ferns, Dracænas, Pandanus and other foliage plants in better condition than ever, crowding every inch of my greenhouses, and to make room for specimen plants of all kinds, will sell stock at moderate prices.

Do not fail to get some of the truly grand new fern **Washingtoniensis,** of which I have an excellent stock. For descriptions and prices see page 1399 of the AM. FLORIST of June 24.

Write for Special Prices.

N. STUDER, Wholesale Florist, Anacostia, D. C.

Nephrolepis... Washingtoniensis.
This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for.....$1.00
12 strong plants, 3-in. pots, for.....5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots.....18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

Louisville.

BATCH OF PERSONAL JOTTINGS FROM OHIO RIVER TOWNS.—WHO'S WHO AND WHAT'S WHAT FROM THE BLUE GRASS REGION.

Mrs. C. W. Reimers is remodeling her store and building a conservatory in the rear. Mr. Reimers has disposed of his interest in the store and will devote his time to growing cut flowers for the wholesale trade. He is especially successful with American Beauty.

R. T. Darrett, one of the hail sufferers, has reglazed his houses and thinks he will drop the florist business and grow cauliflower and lettuce.

Richard T. Lewis has discontinued business but will still grow flowers in a small way for pleasure.

Jacob Schultz has some very promising seedling carnations and expected to rebuild some of his oldest houses for them but thinks he will save $1000 on material by waiting until next year.

A. Rasmussen, of New Albany, has built a new rose house 20x100 and a carnation house 15x100.

C. H. Kunzman has returned from the east and has been quite ill. He expects to bench his carnations next week.

John G. Bettman & Sons, New Albany, are building a carnation house 20x112 feet, even span with solid beds. They have decided to discontinue the growing of violets.

F. Walker & Co. will remodel their Fourth avenue store.

C. I. Warren, formerly in the florist business, has accepted the position of superintendent of one of our parks.

A. Steckler leased his place but the lessee failed and Mr. Steckler has re-entered business. He grows both plants and cut flowers.

H. G. W.

PORTSMOUTH, N. H.—David L. Gordon, who has been employed in the Eldredge greenhouses for the past three years, succeeded A. H. Stacey in the Madison street floral establishment, taking possession on September 1.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN——CIRCULAR FREE—

SKABCURA DIP CO. CHICAGO.

Kill and Save the Blooms Bugs!

QUICKLY DOES IT.

SHEEP MANURE Thoroughly pulverized and ready for immediate application. Special prices to Florists and Seedsmen in lots of 20 tons and up.

Testimonials from Agricultural Department University of California. Send for sample.

GEO. C. ROEDING, Prop.

FRESNO FERTILIZER WORKS. FRESNO, CAL.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen Roosts, etc. All tin, 50c.; all nickelled copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.

STEVENS & CO., 107 Chambers St., N. Y. City.

ATTENTION IS NOW ASKED TO

Long's FLORAL DESIGNED AND UP-TO-DATE STATIONERY

LETTER AND BILL HEADS, ANNOUNCEMENTS, FOLDERS, BOOKLETS, BLANKS, Etc. DISTINCTIVE AND ADAPTABLE. 20 Samples for 20 cts. in stamps.

DAN'L B. LONG, Publisher, Buffalo, N. Y.

ESTABLISHED 1866 EMIL STEFFENS SUCC.TO N. STEFFENS. AND STEFFENS BROS.

MANUFACTURER OF

FLORISTS WIRE DESIGNS & SUPPLIES

335 EAST 21ST ST. NEW YORK CITY.

M. RICE & CO.,

EXCLUSIVE IMPORTERS AND MANUFACTURERS OF..... Florists' Supplies.

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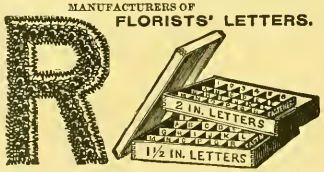
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Business continues very quiet. Asters are the chief stock coming in, with somewhat scanty supplies of poor quality in both roses and carnations.

The county fair commenced August 29. In the floral department the competition was sharp, but W. Paul Binder, gardener to H. A. Parr, carried off most of the honors. F. G. Burger was judge in cut flowers and designs. MACK.

NORTH BERWICK, ME.—John H. Hammond, for many years a successful florist and gardener, died on August 24, aged 65 years.

BRANDON, MAN.—Fred. Mansoff did very well with the one greenhouse he put up last summer and is now building a rose house 20x50. As he expresses it, the wheat growers love flowers just the same as city people do.

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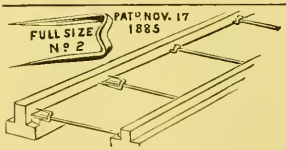
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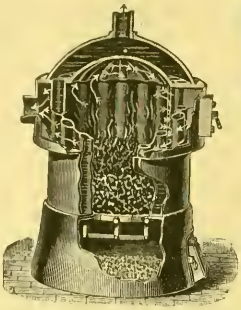
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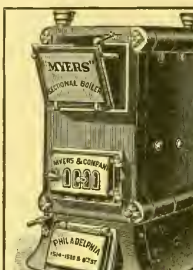
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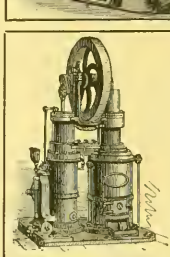
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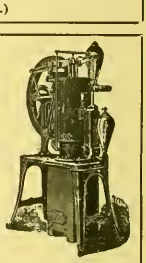
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Vol. XV. CHICAGO AND NEW YORK, SEPTEMBER 9, 1899. No. 588.

THE AMERICAN FLORIST

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PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn Street, Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, $1.00 a year. To Europe, $2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich. vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900]. E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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EVART, MICH.—Shore & Haigh are embarking in business with two houses, one 18x32 and one 18x100. They will grow a general stock.

More About the Bargain Counter.

About a year ago you will remember the columns of the AMERICAN FLORIST were thrown open to a discussion of the "Florists' Bargain Counter." Some of the brightest retailers in the business had their say as to the desirability or undesirability of a bargain counter, and the diversity of opinion was quite pronounced. On one point, however, there was considerable unanimity and that was that a store that catered to the very choicest trade would be hurt very materially by the introduction of anything that savored of cheapness. The idea seemed to be that a person of wealth expected to pay a good price for flowers and if not charged a proper figure would have grave doubts of their quality. What worried the first-class retailer, however, was the fact that the department stores like Wanamaker's were undermining the medium class trade, especially in plants, and the great question was, and is, how to meet that competition without sacrificing the fancy trade which has taken years and years of the hardest kind of work to secure.

Among those who had nothing to say about the department store competition here in Philadelphia was H. H. Battles. That he has been doing some thinking on the subject, however, is evidenced by his opening a separate store for the sale of low priced stock, which fact was announced in your regular Philadelphia correspondence some weeks ago.

Whether this new move will prove a solution of the problem of how to hold the trade for the best stock and at the same time cater to those who do not care to pay for the best is a question; but the experiment is an interesting one and will be worth watching by the trade at large.

In conversation on the matter with Mr. Battles the other day I tried to get at some of the details of his new departure; but I had to do it very diplomatically, as Mr. B. does not care to talk for publication. What he said, therefore, I can only give in a general way and with the understanding that the quotations are only my idea of what he was driving at, and not an authorized transcript of what he said.

I wanted to know why he called it the "Century Flower Shop?" Was he afraid to put his own name up?

"Not at all. I only want to thoroughly differentiate the two businesses. They are run on such different lines that it is of the utmost importance to my already established trade that the public should be quite clear on that point. Although neither myself nor my old employes will be seen much around the new store, I have no wish to hide my connection with it; in fact I shall recommend such of my customers as do not care to pay for the best to go there."

What effect will this new departure have on your regular trade?

"It will have a good effect. I will be in a better position than ever to give my customers the cream of the stock as I can buy in larger quantities and will cull more severely, having an outlet for much that heretofore I had to throw away."

Do you intend to follow the department store method of making a leader at a cut rate and regular prices on the balance?

"No. My aim will be to have little prices on everything. I will buy for cash and sell for cash. I will cater to the people who do not care to pay for the best. There are lots of them. Not only those with moderate means but many who are wealthy want cheap flowers at certain times and for certain occasions. In order to supply this want without sacrificing my established reputation I see no other way but a separate store, run on an entirely different standard, and with a different aim in view."

I see your store fixings are dainty and refined in your new departure; do you think it worth while in view of the cheaper trade you are to cater to?

"Most undoubtedly. The person who buys flowers at all is a refined person or on the road to refinement. It makes no difference how much is paid. The feeling is there to begin with. As Canon Hole puts it, 'He who has a rose in his garden has a rose in his heart.' So that beautiful pictures and dainty furniture, big mirrors and velvet hangings are just as much appreciated here as in a store which makes a specialty of the finest stock to be had. But if dainty that is not to say the most expensive. The low prices necessary would not stand a big outlay for fine fixings."

I suppose this will be a kind of market, a place to sell flowers and plants; there will be little room for the Battles brain work in an artistic way?

"Well, as to that, of course I expect to do good work, but I am not going to give the best service in that line without corresponding compensation. My aim will always be to educate my new customers by degrees up to an appreciation of the very finest work done with the very best of materials. I can do good work with low priced materials as

economically as any one only I do not wish it understood that such work cannot be improved at an increased price."

How are you going to advertise your new store?

"In the usual way. I will run it so that it will advertise itself. A pleased customer is always the best advertisement. Of course I will distribute an opening announcement. A four-page circular is all that is necessary for that. Conciseness is always a strong point in business. Such a circular should be brief and detail the advantages of a cash store run on economical lines with the best equipment that capital, brains and experience can give, and inviting the patronage of those who appreciate such service at small outlay. All the stationery, tags, labels, boxes, will be uniformly printed in a distinctive artistic type, plain but attractive."

Why not use the Battles style—red tags, labels, etc., on snow white back ground?

"Not on your life! They are my trade mark. When a man wants the best for some special occasion he knows enough to send a box under the Battles label. When he wants something nice at a small figure the 'Century Flower Shop' label will be good enough."

At this point I think Mr. Battles began to suspect that I might be mean enough to make some interesting "copy" out of him and give his ideas away, so he was reminded that he had a train to catch and off he went. I was therefore unable to continue my researches further into this interesting subject for the benefit of the AMERICAN FLORIST readers.

Although not of the florists myself I am close enough to them to know some of the knotty problems they are at present wrestling with and if I may be pardoned for expressing an opinion I think there's something in the new scheme. As I see it there's everything to gain and nothing to lose. The one thing dovetails into the other very well. Of course some of the projected details may have to be modified as experience proves them wrong or inadequate and new ways will be suggested from time to time. But that the main idea is sound I think there will be little question.

Philadelphia. G. C. WATSON.

Hybrid Pyrethrums.

These so-called hybrids are really all garden varieties of Pyrethrum roseum, but there are very few other hardy composites which can compete with these giant, colored daisies, with their fern-like foliage and showy flower-heads. For decoration of the border and for cutting, they are distinct as well as useful, from the beginning of bloom till the end of June; height one and one-half to two and one-half feet.

When well established the clumps will send up from seventy-five to 100 flower stems with three to four flower heads to each. The flower heads, however, will be finer if only one is allowed to develop on each stem. Plants that were not planted till July sent up from twenty five to thirty-five flower stems the following June.

Like their near relatives, the chrysanthemums, these pyrethrums prefer and winter much better on deep, rich, well drained land. They should be covered with straw or long hay as soon as the ground is frozen hard. A good dressing of well rotted manure between the plants, applied soon after covering, is taken off in spring, and an occasional watering with liquid manure given when flower heads are developing will add to their size and give clearer, brighter colors.

The single and anemone flowered varieties are the most graceful and therefore are preferred by some florists, but the double varieties are grand for the border, and can be used for cut flowers and designs wherever the China aster could be used. The color ranges from white to deep crimson and includes many shades of pink and red. Stock can be increased by division, the best time for which is when growth commences, after flowering.

If kept free from weeds, the soil loose round the plants and the flower stems cut off as soon as flower heads are



WM. W. GAMMEGE,
President Canadian Horticultural Association.

shabby, there will be no trouble in keeping plants over the following winter, and a second crop of bloom will often develop before frost.

Taken altogether we have found pyrethrums very satisfactory plants to grow, and do not hesitate to recommend them for the border and for cutting. They are essentially florists' flowers.

Massachusetts. R. N.

A Leader in the Dominion.

Wm. W. Gammage, London, Ont., president of the Canadian Horticultural Association, was born at Tolland, Conn., May 31, 1863. His parents removed to Canada in 1868, his father locating at London as a market gardener, a vocation in which he soon built a good business. His love for flowers, however, led him to devote a portion of his time to their cultivation and through the ever increasing demand for plants and cut blooms he gradually drifted into the florist business. By 1885 the florist business had reached such proportions that gardening was dropped and his two sons were admitted to partnership. The firm name was J. Gammage & Sons. The business increased gradually until it became necessary to open a store, now one of the best equipped in Canada, doing a large wholesale and retail trade. The stock sent out has won a good name all over the Dominion. The elder Mr. Gammage died in 1890, at the age of 82, and four years later the demise of his brother left the whole responsibility for the business on the shoulders of our present subject. Mr. Gammage believes that the Canadian Horticultural Association has a brilliant future before it, and interest is high in the approaching meeting at Ottawa.

CARNATIONS.

CULTURAL NOTES.

September 9.—Carnations that are not yet housed, unless the plants are very small, should be brought in as quickly as possible. The small plants will make healthier growth outdoors these cool nights than they can possibly make indoors and, being small, will not produce a crop until late in the season whether planted now or later, so it is the better plan to let them get all the size possible in the field.

A diseased plant will also recover its health quicker outdoors than in and will lift to far better advantage after it has recovered to some extent. This, of course, does not apply to plants affected by any sort of insects and, as most insects can be combatted better in the houses than outdoors, the quicker such plants are brought in the better.

It is generally acknowledged that the best season for lifting plants is between August 15 and September 15; it has certainly been my experience that the best results are obtained by benching all plants of reasonable size before the middle of September.

Perhaps the greatest contrast on my place last season was between two houses of Gold Nugget. One planted the last week in August was as good a house as one could possibly wish but the other, planted in October, was a constant source of disappointment until toward spring, when it rather superseded the first house; but by this time carnations were abundant and cheap.

These late benched plants were larger and had every attention to procure a good crop of bloom, but they simply would not go to work until they were ready. I could not attribute their slowness in starting to any other fact than that of their having been subject to several slight frosts before being housed. This evidently put them in a semi dormant state of growth and, while they made excellent stock for spring cuttings, they did not make much new growth before February. I also attributed part of their slowness to their being heavily set with buds, all but a few of the most advanced of which we left when lifting, counting on a goodly number of blooms for Christmas. They came in all right but were hardly good enough to be classed as seconds.

Always a firm believer in early planting this experience has made me a strong advocate of it. My conclusions are that carnations do best if lifted as soon after September 1 as they have attained good size; under no circumstances should they be allowed to remain out late enough to be caught by even the lightest fall frost. Allowing the buds to remain on the plants when moved is a penny wise and pound foolish policy, as under no conditions will these buds make first-class flowers. It always pays better to take all buds off and let the plants develop their bloom entirely under indoor culture.

If you leave small or sickly plants in the field do not allow them to take care of themselves; they will need just as much

care and attention as earlier in the season. If this is faithfully followed up, care and the September weather will often bring stock into fairly good shape which looked like an utter failure earlier in the season. When it does get in good shape hustle it into the house at once.

ALBERT M. HERR.

CHRYSANTHEMUMS.

CULTURAL NOTES.

September 9.—Extra care is necessary just now, when the buds are commencing to form, to prevent the soil from drying out too much. If the beds are permitted to dry out enough to cause the plants to wilt the young buds will receive a setback from which they cannot recover, even with the best of care. A great many imperfect blooms can be traced to neglect during this critical period.

Constant watering will have laid bare some of the surface roots in spots on the beds and these should be covered with some light material to prevent the sun and winds from damaging the young feeders. One syringing on bright days we find to be sufficient now but this should be given early in the morning so that the plants may dry off before nightfall. If any of the plants require water at the roots they should also receive it in the morning. The reason for this is that the foliage is much more dense than it was a few weeks ago and if allowed to remain wet over night many of the leaves will turn yellow.

In giving liquid fertilizer avoid applying it on very hot days or when the soil is too dry, for under those conditions the plants will take up more than they can properly digest. It is well to bear in mind when feeding chrysanthemums that fine foliage is of as much importance as fine flowers and that strength and substance can only be obtained by gradual and careful cultivation.

Any grower who has chrysanthemums in quantity will now be kept hustling every minute in the day, looking after the buds, taking out side shoots, removing suckers and looking after every little detail that the plants require.

Plants that are being grown to single stems in pots should be in as light a place and as near the glass as is possible without causing them to become drawn. It is expected that they are in their flowering pots before this so that the principal work from now on is to encourage them in every way, at the same time striving for stocky plants with good foliage.

Market plants that have been grown on benches or in beds outside will need their flowering pots now and should also be neatly staked and tied if they require it. Several of the early ones will soon be showing the buds and will need disbudding, although not so close as with plants intended for exhibition.

CHAS. W. JOHNSON.

Chrysanthemum Society of America.

The new scale of judging plants and blooms of chrysanthemums, in its entirety, is as follows:

Scale A.—Scale of points for bush plants and standards, single specimen, or any number up to six, in an exhibition where the class under consideration does not form the chief feature in the exhibition hall.

Equality of size and form of plant	40
Excellence of bloom	35
Foliage	25
Total	100



FIG. 1.—METHOD OF IRRIGATING STRAWBERRY FIELD AT THE WISCONSIN EXPERIMENT STATION.

Scale B.—Scale of points for bush plants; exhibits of more than six or of any number of specimen plants in an exhibition where the class under consideration forms the chief feature in the exhibition hall.

Excellence of bloom	40
Equality of size and form of plant	35
Foliage	25
Total	100

Scale C.—Scale of points for plants grown to single stem and one bloom. A height of not over three feet is recommended for plants in this class and pots not over six inches in diameter.

Excellence of bloom	40
Compact, sturdy growth	35
Foliage	25
Total	100

Scale D.—Scale of points for specimen blooms for commercial purposes.

Color	25
Form	25
Fullness	15
Size	15
Stem and foliage	10
Substance	10
Total	100

Scale E.—Scale of points for specimen blooms for exhibition purposes.

Distinctiveness	25
Color	15
Form	15
Size	15
Stem	10
Foliage	10
Fullness	10
Total	100

Watering Field Carnations.

ED. AM. FLORIST:—In reference to the query under this head in your issue of August 19, page 94, on which you have requested my opinion, I will only relate some of my experience in this line.

The best method of irrigation will depend largely on the surface of the ground, whether level or sloping. An abundant supply of water is necessary in any case. Supposing the field to be practically level and the water delivered through a three-quarter inch opening, two methods of application present themselves, viz, sprinkling and surface application. The details of the first named method will occur to anyone familiar with the use of a hose. Sprinkling is reasonably satisfactory if thoroughly done, but herein lies great danger. One is apt to stop when only an inch of the surface is wet. As a result, most of the water is lost by evaporation and the roots are attracted to the surface by the superficial wetting, only to be dried out later on. The amount of water ordinarily delivered through a hose nozzle is only equal to a very light, drizzling rain that we would expect to continue at least two hours to give good results, even with the accompanying atmospheric conditions. In my opinion, more harm than good results from the ordinary sprinkling, even on lawns.

There are several ways of applying water by the second method, two of which may be considered, viz., surface flooding and furrow irrigation. By the first plan the water is allowed to spread over the surface and if delivered through a hose, the nozzle is first removed. The water may be distributed quite well by using a hoe to back it up with temporary earth dams where needed or to remove obstructions. The water should be run rather fast at first over a considerable surface and later allowed to run very slowly. If this is not observed, the water will soak down to an indefinite depth, if the ground is open in texture, and will probably fail to reach any considerable distance. By this plan a thorough watering is given but the surface is apt to bake and be more or less puddled. Furrow irrigation can be accomplished in two ways. If the surface is nearly a dead level, furrows or ditches as deep and wide as the crop will permit, may be opened between rows and stopped with an earth dam at either end. These are then filled with water as many times as may be necessary. Usually one or two such waterings are sufficient for the whole season.

I am inclined to believe that in the case of carnations, in rows fourteen to eighteen inches apart, better work could be done by opening rather shallow furrows with a hand plow (wheel hoe) close to the rows and on either side, plowing away from the plants. The water can then be run in these furrows until the ground is thoroughly soaked. It will often happen that there will be considerable overflow from the lower ends of the rows but if the fields are planted with reference to irrigation, this surplus water may be used on lower plats.

No special appliances are necessary if the water can be delivered directly to the highest point of the field by means of iron pipes or hose. In case these means are not immediately available, much expense may be saved by conducting the water in troughs made by tightly nailing together boards of rough lumber. Water may be carried cheaply a very considerable distance by this method by lapping the troughs and by elevating them on boxes or other devices slight inequalities of the ground may be easily overcome. If the troughs leak, throw in a handful of sand or clay at the upper end.

If an abundance of water is available, these troughs, slightly modified, may be used to good advantage in distributing the water in the field. Bore one-inch augur holes every few inches in one side and near the bottom. Directly above each hole attach a wooden button, slightly over an inch wide and three or four inches long, by means of a screw; this to be used as a gate or valve to control the supply of water. Place these troughs across the head of the field on a slight incline and admit the water at the upper end. By aid of these one man can attend to the watering of a very large field.

By the last described method of watering, one can usually walk dry shod over the whole field when the water is being distributed and direct its course, the ground receives a thorough soaking and the plants receive the full benefit of all the water applied. The cultivator should be started as soon as possible to fill the furrows and prevent evaporation.

In the accompanying illustrations Fig. 1 shows the method of irrigating a field of strawberries at the Wisconsin Experiment Station. The rows in this case extend north and south. The west side of the field is considerably higher than the east side, but by elevating the troughs as shown, it was possible to water the whole field at once without the necessity of conducting the water in expensive iron pipes directly to the field. Fig. 2 shows a section of one of the troughs used and Fig. 3 the supports used for the troughs.

FREDERIC CRANEFIELD.

Madison, Wis.

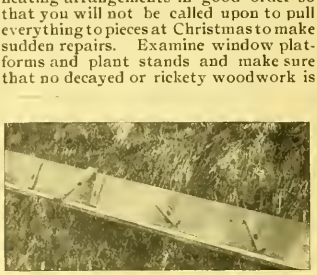


FIG. 2.—Section of trough used in field irrigation at the Wisconsin Experiment Station.



FIG. 3.—Trough supports used in field irrigation at the Wisconsin Experiment Station.

Anticipating Prosperity.

The atmosphere and the events of September remind us that the vacation season, with all that it means to the florist, has passed and we realize that we are now close to the time when customers will be dropping in again in quest of something to make the home pretty and cheerful within when the outdoor attractions that have monopolized their attention for the past months are rapidly disappearing. Are we fully prepared to take care of them?

The days of idleness through July and August furnished the time and opportunity for a thorough renovating of store, office or reception room, but if this has not been done we should do it now. A customer will be influenced unfavorably if he finds untidiness prevailing and he will make a mental comparison of your enterprise with that of your neighbor who has been attending to these things and the comparison may be disastrous for you. Every vestige of the wear and tear of last season's work should be obliterated. A thorough cleaning out of every corner and repairing of every damage, followed by a coat of paint and wall paper carefully selected as to tint that will show your goods in the most favorable light, should be a regular annual event in every well ordered florist establishment. Nothing is more effective for interior color than a pale sea green. With this for a background your Bridesmaids and Scotts will shine and dazzle the eyes of the customer and, in fact, look so fresh and bright to your own eyes, even, that you will put a top price on them in the most selfreliant manner.

See that the lining of the refrigerator is intact and the drainage clear, and your heating arrangements in good order so that you will not be called upon to pull everything to pieces at Christmas to make sudden repairs. Examine window platforms and plant stands and make sure that no decayed or rickety woodwork is in hiding there. Throw out that old chair with the dilapidated seat and substitute in your reception room something more in keeping with the kind of furniture your good customer is accustomed to at home. Be assured that he or she make note of such things even though they say nothing to you about it.

Speaking of reception rooms, maybe you have none; perhaps you don't believe in them and still are satisfied to receive your customers in the workroom or shed with its festooning of old wire forms and other promiscuous material. If so, pardon us for telling you that you are behind the age and one does not need to consult the stars or any other oracle to realize that the days of your prosperity are numbered. By all means have a neatly furnished spot in which to receive your customers. If for lack of room or other economical reasons you are forced to do this in a very small way, still do it. Even a common folding screen to shut off the indispensable working department is much better than nothing. A rug on the floor and a little table furnished with writing materials, blank cards, and a directory of the town, etc., will all cost but a trifle for which results will quickly repay you with compound interest.

As to the contents of the salesroom, quality and arrangement count for more than quantity. One perfect plant on a neat stand or jardiniere will accomplish far more in bringing you visitors than a cart load of promiscuous and rubbishy stuff in unwashed flower pots and a few fresh ferneries and new flower baskets will attract when a shelf full of tin foiled harps and crosses would only repel. See what the advertisers in the AMERICAN FLORIST have to say about nice new things in these lines, get into communication with them and, if you are prevented by distance or other reason from going to see for yourself what your fellow craftsmen in the larger progressive cities are doing, these advertisers will advise you, for they know about it. And if you are so unfortunate as to have a quantity of last year's material left on your hands, faded and dusty, just put it well out of sight and wait for a favorable opportunity to work it in somewhere for it were far better and cheaper for you in the end to burn it up than to make the fatal mistake of attempting to open up the fall trade with last year's leavings.

New York.

A FEW DAYS OF FAIR BUSINESS.—GOSSIP OF THE WHOLESALE HOUSES.—DEATH OF ALFRED HENDERSON.—FIRST MEETING OF THE CLUB.—CHANGES AMONG COMMISSION MEN.—FOREIGN VOYAGERS HOMEWARD BOUND.—CHRYSANTHEMUMS.

A few days of cool weather has sent the city people scurrying back from seaside and mountain and the railroad stations are almost impassable with heaped-up baggage. The flower business felt the change at once in two ways—the increase of customers and the decrease of greenhouse product which, combined, gave the wholesale market a brief opportunity to gather itself together and furnished the ever-alert consignor a basis for a stiffer back-bone in his relation with the commission man. But these conditions have lasted only for two or three days and at present writing news comes of an approaching hot wave that will wilt backbones as well as collars and will restore the summer balance in short order. About the wholesale markets the principal topic of interest is the alignment of growers, without whom there would be no wholesalers and to whom the steadily lengthening list of commission houses and consequent rivalry presents an irresistible temptation to fluctuate and gain a shrewd advantage at each turn. In the retail stores there is little transpiring of general interest; everybody is ready for business when it comes and in trim to welcome returning patrons. The seed store people have forgotten, for the time being, the custom house delays, the undersized Dutch bulbs and the scarcity of lilies, in discussing the news of Alfred Henderson's death. Other than this nothing sensational is in sight.

The first meeting for the season of the New York Florists' Club will take place at the club rooms, corner Broadway and West Twenty-seventh street. The story of the Detroit convention and the experiences, serious or amusing, of those who went there will be the theme for the evening. In view of the approaching New York convention, this subject will be timely and its discussion valuable, and it is probable that plans for the great event will be considered in a general way.

The latest addition to the wholesale commission firms is Young & Nugent, who have bought out the Decker-Blauvelt Co. and will occupy the store recently occupied by that concern on West

Twenty-eighth street. Twenty-eighth street is about to have one more wholesaler in the person of G. E. Bradshaw, who is moving to number 53 from his old location on West Thirtieth street, and expects to open about September 15.

Alfred Dimmock expects to sail from England for New York, possibly accompanied by his family, about September 15. This is considerably later in the season than his previous trips, and is necessitated by the heavy business Messrs. Sander & Co. are handling this fall.

Among the many beautiful floral pieces at the funeral of Alfred Henderson was a richly made broken column from the employes of Peter Henderson & Co. It was six feet high and composed in part of cattleyas, miltonias and other orchids.

At Thos. Young, Jr.'s, a new pink rose is making quite a sensation. The stock is controlled by Benj. Dorrance, Dorranceton, Pa. John Nugent is no longer in the employ of Mr. Young.

The Lord & Burnham Co. was the lowest bidder for the contract to build the new plant house in Prospect Park, Brooklyn.

Winfried Rolker is understood to have sailed from Southampton September 1, per steamer Columbia.

A few chrysanthemums are being received by several of the wholesalers.

Visitor: E. M. Wood, Natick, Mass.

Philadelphia.

CARMODY AND THE OTHER VETERANS LAY SIEGE TO PHILADELPHIA.—BIG CROWDS, BUT LITTLE BUSINESS.—STOCKS IMPROVING. — MEEHAN'S CARNATIONS. — THE CLUB MEETING PRESENTS A NOVELTY.

This week the town has been given over to the Grand Army. They captured its streets, houses, parks and people. Verily, the city has been theirs; the suit of blue with the badges and brass buttons insured the wearer the right of way. J. D. Carmody, of "biler" fame, that "meat saw" celebrity, whose oratorical accomplishments are quite in keeping with his other achievements, is in town. He wears a blue coat and brass buttons, and is justly proud of the fact that he went with the first call to serve his country and is thankful that he came back whole to live and serve his fellow countrymen with the best "bilers and ventilators for heatin' and coolin' greenhouses." Chas. L. Watrous, of Des Moines, Ia., another "vet," is also in the city taking part in the reunion and presiding at the sessions of the American Pomological Society, of which he is president. While the store fronts, hotels and many private residences were quite elaborately decorated with flags and bunting, there was not much for the florists. J. Habermehl & Brother used up considerable laurel weathing and there was some decorating of a public character, but the trade generally did not receive much benefit from the encampment. The city was full of visitors, but most of them were merely sightseers.

Business moves along in the regular way, there being nothing worthy of special mention except, perhaps, the opening of the Century Flower Shop, H. H. Battles' new venture, which occurred last Monday. The store is very nicely fitted up and, as every place of the kind should be (but, alas, is not), is very inviting. An added attraction is a smart delivery wagon.

The rose stock now coming in shows improvement, each week's flowers seeming better than the last. Beauties are beginning to get some stem and an added form that make them at least presentable. Some new comers are carrying a lot of roses in pasteboard boxes and baskets all huddled together without sorting; that reminds one of the way things used to be done. We have progressed, but it seems there are still some who have much to learn.

Thos. Meehan & Son are sending in some nice carnations from their new plants. These plants were set on the benches from 3-inch pots about the first of June and have made a splendid growth. They are in condition to go on blooming until next spring. The houses during the middle of summer had a slight sprinkling of whitewash and in addition to the regular ventilators every tenth row of glass was removed, thus insuring an abundance of fresh air. Meehan & Son are much pleased with this plan and say that outdoor planting and subsequent lifting has lost all attractiveness to them.

Mr. Whitely, of Smith & Whitely, has returned from his extended summer vacation much improved in health. Mr. Smith, who had such an unpleasant experience with highwaymen last week, is now at home and in a fair way to recover. His assailants as yet have not been apprehended.

The improvements at Pennock Bros'. store are almost completed, the frescoing of the walls being the last touch necessary. Their new oak, marble-topped counters are very swell and an approach to the office makes one involuntarily feel around for his bank book to make a deposit, so rich and bank-like does it appear.

The September meeting of the Florists' Club was not very well attended, the outside attractions being too great for many of the boys. President McKinley was on view in the Academy of Music next door and, while President Harris is just as good a man, every inch of him, the other William caught the crowd. Brother Carmody was present and told in his inimitable way how he and other fellows fought the "rebs." We wonder if he didn't learn to "orate" telling these army reminiscences. C. D. Zimmerman and James Brown, of Buffalo, and J. P. Keller and Richard H. Tacke, of Lexington, Ky., were also present. Nominations of officers to serve for the ensuing year were made and resulted in a continuation of power for those now in the chairs. H. F. Michell is to tell of his recent trip to the Pacific coast at the October meeting. John Walker told of some of the things that happened in Detroit during the recent convention. He did it in his best style, that is, in song, he having prepared an amusing story of the trip and its accomplishments, which he sang to the tune of "There'll be a Hot Time in the Old Town To-night." His effort was well received by those present and who all joined in the chorus. He received the thanks of the club and it was directed that the words be sent to the trade papers and a copy to the Detroit Florists' Club. A resolution was also passed thanking the Detroit club for their many courtesies to the Philadelphia delegates.

George E. Campbell has returned from a trip to the California coast, where he says he had a delightful time.

W. J. Smyth, of Chicago, was in town last week and as a result many choice plants from stocks in this city will soon be westward bound. Mr. Smyth speaks well of the retail trade in Chicago and says the outlook for this season promises the largest year in history. K.

Chicago.

STATE OF THE MARKET.—FIRST WEEK OF AUTUMN.—STRIKE OF BOILER MAKERS CAUSES TROUBLE FOR FLORISTS.—MEETING OF THE CLUB.—NOTES AND COMMENTS.—VISITORS.

The fall season is starting in very satisfactorily for stock, which has increased rapidly this week, has not exceeded the demand and prices have been fully up to the quality of the product. The temperature has been extremely high for roses and much of the cut is poor on that account but there have been some fair Beauties and Meteors. The cut from carnations in the field is now quite heavy but most of them bring as much as 50 cents per hundred and many are worth much more. Outside flowers are on the wane.

For eight weeks the boiler makers and helpers of Chicago have been on strike to compel their employers to make such changes in their scale as would, so the employers claim, make it impossible for Chicago concerns to compete with manufacturers outside the city. This has caused much inconvenience to florists as Kroeschell Bros. had a number of florists boilers under way in their shops upon which no work has been done in two months and work has not been started upon a number of others which were ordered for delivery by September 15. The firm has done everything possible to avoid loss to its patrons and is pleased to report that the prospects are that the strikers will return to work within a few days. Of Kroeschell's men 125 have been out.

At the meeting of the Florists' Club Friday evening, September 1, resolutions were adopted thanking the members of the Detroit Florists' Club for their numerous courtesies during the S. A. F. convention in that city. The matter of a trade float for the parade in the coming Autumn Festival was given some consideration, but action was deferred until the next meeting, when it is hoped there will be a better attendance. A number of names were removed from the membership list for non-payment of dues.

John Poehlmann's vacation time is at an end for he is now receiving fair quantities of very good stock from the Poehlmann establishment.

George M. Garland has established a Chicago office with the Illinois Cut Flower Co., 51 Wabash avenue.

Phil. Hauswirth, Mrs. Hauswirth and Miss Kreitling are enjoying a trip to New York and Boston.

W. J. Smyth has been gathering pointers and novelties in the east for the past week or two.

Bassett & Washburn report an unprecedented call for the season for American Beauties.

Wietor Bros. report a very good sale for their field grown carnation plants.

C. W. McKellar has buckled down to business after his vacation.

A. G. Prince has been unwell this week.

Visitors: Louis Bauscher, Freeport, Ill.; Prof. John Craig, Iowa Agricultural College, Ames, Ia.; Alfred Rehder, representing Moller's *Deutsche Gartner-Zeitung*, Erfurt, Germany; Mrs. M. M. Ayres, St. Louis; George Souster, Elgin, Ill.; J. A. Valentine, Denver.

PLAINFIELD, N. J.—John Kucklo shot his wife and himself on August 31. He died. Mrs. Kucklo was Mrs. Childs, widow of a former florist, and had some property. They had been married only a few weeks.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

FUEL should be secured before the cold weather arrives.

KLONDIKE is said to be an especially good canna for pot culture.

DURING the next few months it will be well to look out for the palm swindler.

EASTER of next year occurs April 15, practically two weeks later than it was this year.

GLAZING and other greenhouse repairs should now be completed as speedily as possible.

THE Florists' Hail Association has insured 300,000 feet of glass since the S. A. F. meeting at Detroit.

GOVERNOR STONE, of Pennsylvania, has appointed Edwin Lonsdale, of Chestnut Hill, Philadelphia, as a delegate to the Farmers' National Congress, which is to be held in Boston, Mass., October 3–6.

ITALY, it is said, is protecting herself systematically against hailstorms by firing cannon. Several hundred villages on the slopes of the Alps and of the Apennines have established firing stations, where two or three cannons are kept which are fired at a signal from the weather observer. The results are said to be astonishing. In none of these villages did hail fall this summer, while neighboring districts have suffered from the usual number of storms. Perhaps the United States government could be induced to adopt some similar course for the protection of greenhouse property.

Philadelphians Thank Detroit Florists.

At the meeting of the Florists' Club of Philadelphia, held Tuesday evening, September 5, the following vote of thanks was extended to the Detroit Florists' Club:

In view of the splendid hospitality the members of our club, in common with other delegates to the S. A. F. convention, experienced at the hands of the florists of Detroit and their friends, it is proper that we give expression to our feelings on the matter, and it is

Therefore moved that a hearty vote of thanks be and hereby is extended to them for their warm and generous welcome. The many courtesies lavished on us individually and collectively are gratefully remembered and highly appreciated, and we thank one and all most heartily and will ever cherish the memory of the delightful time we experienced in the city of Detroit in 1899. And our secretary is hereby instructed to send a copy of this resolution to the Detroit Florists' Club.

(Signed) ROBERT CRAIG.
JOHN WESTCOTT.
EDWIN LONSDALE, Sec'y.

Greenhouse Building.

Hempstead, N. Y.—Weston Bros., range of new houses.

Gainesville, Ga.—J. E. Jackson, two plant houses 10x100.

Bradford, Pa.—W. C. Rockwell, rose house 20x100. G. L. Graham, one house.

Batavia, Ill.—F. E. Pearson, one house.

Asheville, N. C.—Idlewild Floral Co., two houses.

East Haddam, Conn.— Thompson Bros., one commercial house.

Nyack, N. Y.—John Joyce, one carnation house.

Templeton, Mass.—A. L. Hawkes, one greenhouse.

Brandon, Man.—Fred. Mansoff, rose house 20x50.

New Haven, Conn.—E. J. Morse, carnation house 30x200, two violet houses 10x150.

Woodmere, Mich.—Anton Kaier, four houses 15x100.

Providence, R. I.—T. O'Connor, two houses. M. McCrea, two houses. Edw. Clark, rebuilding range of glass.

New Brunswick, N. J.—Rutgers College, house 20x68.

Montague, Mich.—John Ham, range of vegetable houses.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

CHICAGO, Nov. 7-11.—Chrysanthemum show, Hort. Society of Chicago. Willis N. Rudd, Ass't Sec'y, Room 202, 185 Dearborn St.

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

BOSTON, MASS., Nov. 7-10.—Chrysanthemum show, Massachusetts Hort. Society. Robert Manniog, Sec'y, Horticultural Hall.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society, Alex. Maclellan, Sec'y.

WORCESTER, MASS., Nov. 8-9.—Chrysanthemum show, Worcester County Hort. Society. A. A. Hixon, Sec y. 18 Front St.

POUGHKEEPSIE, N. Y., Nov. 8 10.—Annual exhibition, Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill.

TARRYTOWN, N. Y., Nov. 10-11.—Chrysanthemum show, Tarrytown Hort. Society. Wm. McCord, Sec'y.

PROVIDENCE, R. I., Nov. 9-10.—Chrysanthemum show, Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St., Providence.

BUFFALO, N. Y., February 15-16, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

NEW YORK, Sept. 26-29.—Autumn exhibition, American Institute. Geo. Whitefield, Jr., Sec'y, American Institute, New York.

OTTAWA, CAN., Sept. 19-21.—Trade exhibit, Canadian Hort. Association. A. H. Ewing, Sec'y, Berlin, Ont.

BROCKTON, MASS., Nov. 1-3.—Exhibition of Brockton Gardeners' and Florists' Club. Walter E. Baker, Sec'y, Box 220, Campello, Mass.

WACO, TEXAS, Nov. 15-17. Fourth Chrysanthemum show, Texas State Floral Society. Miss Bella Beer, Sec'y, Waco, Texas.

ST. LOUIS, MO., Nov. 14-18.—Chrysanthemum show, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

PHILADELPHIA, PA., Nov. 7-11.—Annual exhibition, Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Broad street.

SPRINGFIELD, MASS., Sept. 19-20.—Dahlia exhibition, Amateur Hort. Society. C. L. Burr, Sec'y.

Society of American Florists.

FINAL RESOLUTIONS AT DETROIT.

The Committee on Final Resolutions begs leave to submit the following report:

WHEREAS on the occasion of this, the Fifteenth Annual Convention of the Society of American Florists and Ornamental Horticulturists, the Florists' Club and the good citizens of Detroit have more than fulfilled the most sanguine expectations of every member present arising from the cordial invitation extended a year ago for the society to visit this beautiful city by the lake, with respect to the heartiness of the welcome given us at this time; the most generous hospitality accorded us, and the sincere endeavor of everyone to cater to our creature comfort and delectation, making our stay here one of great pleasure long to be remembered. Therefore be it

Resolved, That the officers and members of the Society of American Florists and Ornamental Horticulturists feel deeply grateful for, and do hereby acknowledge, all the courtesies so freely and fully extended.

Resolved, That we also tender our heartfelt thanks to his Honor, Mayor W. C. Maybury, for his words of welcome and kindly greeting, his sound advice imparted, and altogether eloquent address, which will long remain fresh in our memories.

Resolved, That we appreciate the tokens of greeting from the officials and good people of this beautiful city that meet us on every side as exemplified in the outward demonstration of same appearing on the municipal building and the other numerous less ostentatious displays observed throughout the city.

Resolved, That we are under special obligations to the chairmen of the various committees of the Florists' Club of Detroit; that we highly esteem the kindly thought that prompted the erection of the magnificent and artistic triumphal arch and other decorations that greet us on our approach to and in the meeting hall, and especially do we sincerely thank the chairmen of the entertainment, bowling and shooting committees for their unremitting attention and earnest efforts —which have contributed in no small measure to the success of one of our most delightful annual gatherings. We are also indebted to many of the officials and citizens of Detroit for their munificence, shown in connection with the recreative features of this convention.

Resolved, That we cordially thank the members of the Detroit brethren who, individually, so generously entertained the visitors, and particularly in this respect would we mention the names of John Breitmeyer & Sons, Fred. Breitmeyer, R. Klagge and Stephen Taplin.

Resolved, That the thanks of the society be tendered to the superintendent of exhibits, George A. Rackham, whose indefatigable labors have culminated in one of the best and most representative trade exhibitions occurring at our annual meetings. His never failing courtesy and his unwavering attention to the minutest detail are highly appreciated.

Resolved, That to the committee of ladies of the Detroit Florists' Club we are deeply obligated for the unstinted courtesy and considerate attention shown to the visiting ladies, whose presence in such large numbers has been one of the most charming and enjoyable features connected with this convention.

Resolved, That to the daily press of Detroit is due our heartfelt thanks for the the well illustrated, accurate and entertaining accounts of our exhibition and deliberations.

We cannot close our report without again adverting to the unbounded generosity of our hosts, individually and collectively, and for the most perfect manner in which every detail connected with our stay in the city of Detroit has been carried out; and we assure our brethren here that the memory of our visit, and our friendly relations with them on this occasion will remain with us evergreen and everlasting.

ALEX. WALLACE.
G. L. GRANT.
M. BARKER.

OBITUARY.

ALFRED HENDERSON.

Alfred Henderson, eldest son of the late Peter Henderson, passed away at his summer home, Spring Lake, N. J., on Tuesday, September 5, at 3 a. m., aged 47 years. The first symptoms of the spinal disease which eventually carried him off manifested themselves about twelve years ago, but the sound constitution he inherited, coupled with his exemplary life, enabled him to continue in active business long after most men would have succumbed.

Alfred Henderson was born in Jersey City, N. J., on March 23, 1852. He was educated at Hasbrouck Institute in Jersey City, and subsequently took a course at Packard's Business College in New York city. After completing his education, he underwent a thorough training under his father at the greenhouses in Jersey City and the seed store in New York, then Henderson & Fleming. In June, 1871 when he had just passed his twentieth year, the firm of Peter Henderson & Co. was established by his father, he and Wm. H. Carson being the associate partners. In 1876 Mr. Carson withdrew, James Reid becoming the third member of the firm. The latter died in 1887, and Charles, the younger son of Peter Henderson was then admitted to partnership. Upon the death of their father in 1890, the business was incorporated, an interest being given to some old employes in charge of departments, so that although for the past two years Mr. Alfred Henderson had been unable to give much, if any, time to the details of the business, yet so well had he organized it that his daily presence was not required. It might be said of him as he lovingly wrote of his respected father: "He laid the foundations of his great business so broad and so deep that it may not be presumptuous in us to hope that it will prove a monument to his business sagacity long after the existing management has passed away."

Alfred Henderson had a keen, analytical, well balanced mind, an unusually sharp and accurate judgment of men, an unfailing wit, pungent yet kindly, quick at repartee and fond of the society of men of affairs, who like himself could drop them for friendly intercourse and lively badinage. But he was essentially a domestic man, passionately devoted to his family, and leaves a widow and four children to mourn a fond and devoted husband, a loving and indulgent father.

His tastes were literary in a large degree. He was an omniverous reader and was endowed with a wonderful memory so that to converse with him was a pleasure. His wide reading and native mental power manifested themselves in everything he wrote. His style was terse yet comprehensive, abounding in rich, figurative language full of poetical conceptions. His passion for euphony in language was a pronounced characteristic. This is apparent in the splendid memoir of his father written in 1890. When it is considered that at that period he was suffering intense physical pain, it is to be wondered that he was able to concentrate his mental powers on the work, taken, it is true, as a labor of love. His last contribution to current horticultural literature was an article on "A Century of American Horticulture" published in "A Century of American Commerce."

His business industry was wonderful; in the early years of the firm he worked during the busy season from early morning until late at night. He was very popular with the private gardeners and the men who met him in those days have a vivid and fond recollection of his unfailing good humor and a keen appreciation of his ability as a raconteur.

During late years he devoted much of his time to devising advertisements and the business of placing them. It was freely admitted that he was without a peer in the trade in this particular. He was painstaking to a degree, original, and had a thorough technical knowledge of the art. Mr. Henderson was an active member of the Society of American Florists and the New York Florists' Club and was an honorary member of the National Rose Society of Great Britain.

He was a true friend, a firm and just employer, beloved by his employes, a brave and patient sufferer whose spirit never quailed and whose mind was never clouded, who preserved to the last, through vicissitudes of sickness that were calculated to appal the bravest and depress the most buoyant, a serenity that was sublime, a philosophy that was exalting and a buoyancy that was contagious. He was made of the stuff which produces heroes, a worthy son of a worthy sire, who hands down to his son, Peter Henderson, a heritage of name and fame of which he may feel justly proud.

PATRICK O'MARA.

Catalogues and Cut Flower Price Lists Received.

Dan'l B. Long, Buffalo, N. Y., greenhouse record blanks; C. R. Brewer, Terrel, Texas, plants; Jas. T. Bogue, Marysville, Cal., peach pits; Ellis & Pollworth, Milwaukee, Wis., carnation plants and cut flowers; Pioneer Nurseries Co., Salt Lake City, Utah, pears.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By first-class maker-up and decorator; German. Address E H 209 W. 25th St, N. Y. City.

SITUATION WANTED—By gardener on private place; grapes and roses specialties. Address MERCER, care American Florist.

SITUATION WANTED—By a first-class decorator and designer, in a store or greenhouse. Best of references. Address E M, care Am Florist.

SITUATION WANTED—As assistant; American, single, age 25; five years with prominent carnation grower. Address W. L. B. 57, Floral Park, N. Y.

SITUATION WANTED—By practical all-around florist. German, 35 years old, single; life experience, 12 years in this country. References. Address P K, care American Florist.

SITUATION WANTED—As rose grower; Wisconsin or Michigan preferred. Last two years with Adam Zender; Duluth, age 31, single. References. J. A. WIBE, 425 Pratt Ave, Rogers Park, Chicago.

SITUATION WANTED—By first-class florist and landscape gardener, on private place or park; 9 years in my last place. First-class references. Address N D, care American Florist.

SITUATION WANTED—By practical florist and gardener of long experience; family of only three; private place or institution preferred. Best of references. Address A, care American Florist.

SITUATION WANTED—On private place; expert rose grower, also orchids and stove plants; not afraid of work; country place preferred; age 30, single. Chicago references. COLFAX care Am Florist.

SITUATION WANTED—As working foreman; 20 years' experience in some of the largest places in U. S.; high grade roses and general stock. Best of references. Address ROSE GROWER, P. O. Box 400, Madison, N. J.

SITUATION WANTED—By young German, six years' experience; good designer; also good grower of all kinds of plants. Private place preferred. G K, care American Florist, 67 Bromfield St, Boston.

SITUATION WANTED—Seedsman; 18 years' experience in seeds; good propagator and grower of roses, palms and general stock. Satisfaction guaranteed. Best of references. Steady and sober. Address SEEDS, care American Florist.

SITUATION WANTED—By a practical gardener and florist; 25 years of experience in roses, carnations, mums and general greenhouse stock. Can furnish first class references. Private or commercial. Address D N, care American Florist.

WANTED—Cheap for cash, greenhouse glass and pipes TH. F. VAN DER MEULEN, Dunkirk, N. Y.

WANTED—2000 feet or less of 1-inch second-hand pipe. Address, stating price, Box 1056, Fort Smith, Ark.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—An assistant in a commercial place, 10,000 ft. glass; give references and state wages, including board, per month. GEO. S. BELDING, Middletown, N. Y.

WANTED—A florist and gardener; unmarried man preferred, one capable of caring for a greenhouse and raising vegetables. Apply to THE STATE PUBLIC SCHOOL, Owatonna, Minn.

WANTED—Grower of hardy perennials with thorough commercial experience in this class of stock; must be accustomed to handling men. HENRY A. DREER, Lock Box 1618 Philadelphia.

WANTED—A florist who can grow good roses, carnations and 'mums and is a good propagator. Must be sober and reliable. A good place for the right man. State wages wanted. Write to S D BRANT, Clay Center, Kan.

WANTED AT ONCE—A young man with some experience in flower store. Must have good references, good personal appearance and willing to begin with moderate salary. Address LAKE VIEW ROSE GARDENS, Jamestown, N. Y.

WANTED—An all-around florist, single German, for carnations, 'mums, roses, violets and general stock. A steady job; wages, $20 per month, with a rise if progressive. J. F. GIBBS, Woodville, Allegheny County, Pa.

WANTED—Gardener for private place, Canadian city; English or Scotch with two or three years American experience preferred; one assistant. Greenhouse, kitchen garden and lawn only. State wages. Address CANADA, care American Florist.

FOR SALE OR RENT—Four houses, 3000 ft. glass, Le Mars, Ia. Address MRS. LIZZIE P. WILL.

FOR SALE OR RENT—Fortune for live florist with small capital. Write me and I will prove it. F I T, care American Florist.

FOR SALE—Fine opportunity to grow early vegetables and raise spring chickens for home and city market successfully. Small capital, easy terms. VEGETABLES, care American Florist.

FOR SALE CHEAP—Greenhouse 20x60 ft., 1000 sq. ft. of glass, with hot water boiler and pipes and about 1000 pots; everything in pretty good condition. Address MRS J. W. KROPF, Collinsville, Ill.

FOR SALE—At a sacrifice for spot cash if taken at once, greenhouse plant of 3700 feet glass; use city water, stocked and in city of 8000, eastern Illinois. Good established trade. For full particulars address H D, care American Florist.

FOR SALE—A bargain; fine retail business, 4000 ft. glass, well stocked; 7-room dwelling barn, stable, etc., in city of 40,000. A fine opportunity for beginner. Reason for selling, bad health. Write at once. Address M, care American Florist.

FOR SALE—Greenhouses established ten years; 5000 ft. glass; first class, up-to-date stock 8-room dwelling and land, near center of city 10x100. Exceptionally fine climate for people with lung troubles. Present owner has heart trouble and is unable to live in this altitude. For particulars address S. C. THORP & SONS, Trinidad, Colo.

WANTED...

A florist with $2000 to $5000, to build and conduct a hothouse and flower garden in Monte Sano Park. Land given free. Good opening. Address

AUGUSTA STREET RAIL ROAD AND ELECTRIC CO.
AUGUSTA, GA.

For Sale

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OLD IRON, Eight No. 8 (enlarged)
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Detroit.

FLORISTS' CLUB RE ELECTS ITS OFFICERS. —A BALANCE LEFT AFTER PAYING CONVENTION BILLS.—SEARCH FOR PERMANENT QUARTERS. — TRADE AND THE WEATHER.—NOTES.

On Wednesday evening our club meeting was very largely attended, it being the occasion of the annual election of officers, which resulted in the choice of the same efficient and popular gentlemen who have served during the first year of the club's existence, as follows: President, Phil. Breitmeyer; vice-president, Geo. A. Rackham; secretary, Robt. Flowerday; treasurer, B. Schroeter. All the bills incurred in connection with the S. A. F. convention were paid and a good balance was left in the treasury which will form the nucleus of a fund which will be devoted to securing permanent quarters for the club, equipped with bowling alleys and all the facilities of first-class club rooms. Our club is in a flourishing condition, with over seventy active members, and the necessity for such a meeting place is very apparent. A committee has been appointed to find the quarters most suitable and will report at our next meeting.

Trade during the past few days has been rather quiet, with a fairly good supply of stock. A rain a few days ago was a great relief but was insufficient to soak the ground, which was as dry as powder in many places.

The Michigan Floral Co. has discontinued the retail business formerly conducted at 184 Grand River avenue.

James Taylor, of Mt. Clemens, is building a new house 16x130 using double strength glass 16x16 lapped. J. F. S.

Springfield, Mass.

The Amateur Horticultural Society will hold a dahlia exhibition on September 19 and 20. It was originally planned to hold the show one week earlier, but the extremely hot, dry weather necessitated a postponement. This is the first show devoted exclusively to dahlias ever attempted here, but the wide interest taken seems to insure success. One local enthusiast in this flower, O. C. Trask, boasts of 230 more or less distinct varieties, and many others have large collections. Of the professional growers exhibits are promised from W. P. Peacock, Acto, N. J.; F. R. Pierson, Tarrytown, N. Y.; H. F. Burt, Taunton, Mass.; W. Atlee Burpee, Philadelphia; John Lewis Childs, Floral Park, N. Y., and others.

BUTTE, MONT.—Law Bros. have succeeded Law Bros. & Day.

MONTAGUE, MICH.—John Ham has bought a new place and will build a range of glass for vegetables.

NEW BRUNSWICK, N. J.—Rutgers College is building a new greenhouse 20x68 feet for the use of Prof. Byron D. Halsted.

LINN, KANS.—L. H. Cobb has removed to Perry, Oklahoma, and will conduct a general florist, nursery and seed business under the name of L. H. Cobb & Co.

MARSHFIELD, MASS.—The display of flowers and plants at the annual fair of the Marshfield Agricultural and Horticultural Exhibition Society during the past week was very good.

CHESTNUT HILL, PA.—Among recent visitors in town were, James P. Keller and Richard H. Tacke, Lexington, Ky.; Eugene Geisreiter, Sacramento, Cal.; Miss G. P. Sanborn, Augusta, Me.

The management of

The "Rosebank" Nurseries.

is prepared to make yearly contracts with retail florists all over the country, to furnish them daily or weekly, as desired, a superior grade of

LILY OF THE VALLEY

at a special price of $3.00 per 100 and guarantees them to be

FIRST-CLASS SPRAYS IN ALL RESPECTS.
FRESH AND PERFECT IN FLOWERS AND FOLIAGE.
PROPERLY AND CAREFULLY PACKED AND SHIPPED.

☞ THIS OFFER WILL BE WITHDRAWN AFTER OCTOBER 15TH, WHEN THE REGULAR PRICE OF "ROSEBANK" VALLEY WILL BE ESTABLISHED AND STRICTLY MAINTAINED THROUGHOUT THE YEAR.

W. A. McFADDEN,
"ROSEBANK"
CINCINNATI.

PITTSBURG CUT FLOWER CO., Ltd.,
WHOLESALE FLORISTS,
Long Distance 'Phone 2157.
Consignments Solicited.
No. 705 Penn Ave.,
FLORISTS' SUPPLIES.
WRITE FOR PRICE LIST.
PITTSBURG, PA.

Wholesale Flower Markets

CINCINNATI, Sept. 7.

Roses, Bride, Bridesmaid	2 00@ 3.00
" Meteor	2 00@ 4.00
" Perle	2 00@ 3 00
Carnations	.50@ 1.00
Lily of the Valley	4 00
Asters	.75@ 1.00
Sweet Peas	.25
Gladiolus	3 00
Tuberoses	3 00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Sept. 7.

Roses, Beauty	4 00@20.00
" Bride, Bridesmaid, Meteor	2.00@ 4.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1 50
Smilax	15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Sept. 7.

Roses, Beauty, long ... per doz.	1 50@ 2 00
" " medium " "	1.00@ 1.25
" " short " "	.50@ .75
" Bride, Bridesmaid	2 00@ 4.00
" Perle	2 00@ 3.00
" Meteor	3.00@ 5.00
" Kaiserin	3.00@ 5 00
Carnations, fancy	1.50
" good stock	.50@ 1 00
Gladiolus	2.00@ 3 00
Sweet Peas	.10@ .15
Auratum	12 50@15 00
Asters	.50@ 1.00
Adiantum	.75
Common ferns	.25
Smilax	12.50@15.00
Asparagus	60.00

PITTSBURG, Sept. 7.

Roses, Beauty	5.00@25 00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Kaiserin	4 00@ 8.00
" Perle	2.00@ 4.00
Carnations	50@ .75
" long	1 00@ 1.50
Lily of the valley	3 00@ 4 00
Tuberoses	2 00@ 3 00
Smilax	10 00@15 00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus bunches	.35
" Sprengerii, bunches	.35 to 50c
Asters	.35@ 1.50
" Semple	4 00@ 6 00
Gladioli	2.00@ 4.00
Lilium Speciosum	4 00@ 6.00
" Auratum	10.00@15 00



HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.
P. O. Box 103, MILWAUKEE, WIS.

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W. A. MANN.
FRANK W. BALL.
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Your Advertisement
will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in
The Best Drummer. The American Florist.

800,000 FEET OF GLASS.

REINBERG BROS.

Wholesale Growers of

CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

Wholesale Price List.

AMERICAN BEAUTY			
24-in. stem	per doz.,	$2.00	
20 "	"	1.50	
15 "	"	1.25	
12 "	"	1.00	
8 "	"	.75	
METEOR	per 100,	3.00 to	4.00
BRIDESMAID	"	3.00 to	4.00
BRIDE	"	3.00 to	4.00
PERLE	"	2.00 to	3.00
CARNATIONS	"	.75 to	1.00

Quotations subject to change without notice. All other stock at lowest market prices.

WE NOW CLOSE AT 6:30 P. M. SUNDAYS AND HOLIDAYS AT NOON.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, - - CHICAGO.

We Have the LARGEST WHOLESALL House in Chicago.

OUR SPECIALTIES: ORCHIDS, HIGH-GRADE ROSES, CARNATIONS and VIOLETS.

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Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

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GALAX LEAVES.

Brilliant Bronze and Green.

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42 West 28th Street, : NEW YORK CITY.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

CHICAGO, Sept. 8.

Roses, Beauty,	24 inch			2.00
" "	20 "			1.50
" "	15 "			1.25
" "	12 "			1.00
" "	8 "			.75
" Bride		3.00	@	4.00
" Bridesmaid		3.00	@	4.00
" Perle		2.00	@	3.00
" Meteor		3.00	@	4.00
Carnations		1.00	@	1.50
Chrysanthemums, small	per doz	$1.00		
Sweet Peas		.10	@	.50
Gladioli		1.00	@	4.00
Asters		.50	@	2.00
Mignonette		1.00	@	2.00
Hydrangeas	per dozen	1.50		
Golden Rod				1.00
Adiantum		.50	@	1.00
Common ferns				.15
Fancy Ferns				.20
Smilax		10.00	@	15.00
Asparagus				50.00

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

Do the American Florist a small favor. Mention the paper when writing to advertisers.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Illinois Cut Flower Co.

WHOLESALE FLORISTS.

J. B. DEAMUD.....

51 & 53 Wabash Ave., CHICAGO.

TEXAS SEED AND FLORAL CO.

Wholesale Florists,

DALLAS, TEXAS.

Consignments of choice Roses and Carnations solicited.....

We wish to make arrangements with a few first-class growers for regular consignments.

Correspondence solicited.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

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WIRE WORK A SPECIALTY.

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SUCCESSORS TO ROGERS PARK FLORAL CO.

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Headquarters For American Beauties. CHICAGO

Mention American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

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DURING THE SUMMER MONTHS, COMMENCING JULY 3rd, WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

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" " extra	4.00@ 5.00
" Beauty, extra	8.00@12.00
" " firsts	6.00@ 8.00
" " seconds	2.00@ 6.00
Carnations	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet Peas	.15@ .25
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00

BOSTON, Sept. 6.

Roses, Beauty, select	12.00@25.00
" " ordinary	2.00@ 5.00
" Bride, Bridesmaid, Meteor	.50@ 4.00
" Kaiserin	1.50@ 6.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asters	.2 @ 1.00
Gladioli	1.00@ 4.00
Smilax	8.00@10.00
Asparagus	50.00
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Wholesale Flower Markets

NEW YORK, Sept. 6.

Roses, Beauty select	10.00@20.00
" " ordinary	2.00@ 5.00
" Bridesmaid, Bride, Morgan	.25@ 1.00
" Kaiserin, Meteor	1.00@ 4.00
Carnations	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	1.00@ 2.00
Longiflorum	4.00@ 8.00
Gladioli	1.50@ 2.00
Asters, per hundred bunches	1.00@ 3.00
" fancy	1.00
Cattleyas	40.00@50.00
Smilax	5.00@ 8.00
Asparagus	.25 00
" Sprengeri, per doz. bunches	1@2
Adiantum	.50

BUFFALO, Sept. 7.

Roses, Beauty	3.00@25.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	3.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.5@ 1.00
" fancies	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Lilium Auratum	8.00@12.50
" Speciosum	4.00@ 6.00
Asters	.50@ 1.50
Tuberoses	3.00@ 6.00
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LATER ON.... VIOLETS A SPECIALTY.

KEEP POSTED AS TO NOVELTIES IN MARKET BY ATTENTION TO THIS SPACE WEEKLY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

W. ATLEE BURPEE was a New York visitor this week.

ADDITIONAL rains are said to have fallen in the Nebraska seed districts.

ROCKY FORD melons, says a Chicago daily, are in the market, and they are the best ever.

ONION seed promises to be about half a crop, harvesters reporting a yield of about 150 pounds per acre.

THE spinach conditions have evidently improved, latest quotations showing only a small advance in prices.

FROM Holland the indications are for good crops in most items, although turnips and rutabagas are reported short.

LATEST German advices are to the effect that beets, turnips, leeks, parsley and mangel wurzel are reported short; carrots and kohlrabi very short.

IN our issue of August 26, through Winfried Rolker of New York, some statements were made with regard to the Dutch bulb crop. These statements are confirmed by the consignments received this week.

Boston.

STATE OF TRADE.—ROSES ARE IMPROVING.—UNLIMITED SUPPLY OF GARDEN FLOWERS.—NO DAHLIAS ON SHOW.—THE PARK REPORT.—A GOLD MEDAL.—NOTES.

No material change from last report is noticeable in the local situation as regards business or values. There is certainly nothing, however, on which to base a claim of any improvement over past seasons at this date unless hopefulness can be classed as such. The confidence in the coming season seems very strong hereabouts. Stores now keep open full time and all hands are on duty, cheerful and expectant.

Roses grow fatter and stronger as the season advances. Carnations are not conspicuously abundant but there are fine Semple asters in sufficient quantity to meet all emergencies and many buyers seem to prefer them at this season for street wear and other purposes for which carnations are customarily used. For those who want big show for little money there are gladioli, hydrangeas, Japan lilies and other garden productions in unlimited quantity. Clematis paniculata is beginning to open its great clouds of snowy bloom over porches and verandas and to see it makes one wish for a big wedding decoration order and the privilege of using it. Yet, useful and effective as it is, not a scrap of it is to be seen in our florists' windows, the owners of which seem all to have got into the same rut and to lack sufficient enterprize, individually, to get out of it and do something novel.

It is singular and almost unaccountable that, although dahlias by the thousands were exhibited and admired at Horticultural Hall last week and must be obtainable in vast quantities now and for some time to come, yet no city florist appears to think it worth the while to make a display of them. There are reasons why the old formal show dahlias might never come into favor as florists' flowers but they do not apply to the cactus dahlias which, at the rate of improvement now going on, will soon out-chrysanthemum the chrysanthemum in dash and bold decorative effect and whose glorious colors the chrysanthemum can never begin to approach. With such material as this, skillfully arranged, a window display that would draw a throng is easily within reach—and that is what window displays are for, is it not?

The twenty-fourth annual report of the board of park commissioners of the city of Boston is just received. It contains some beautiful illustrations of park views and that portion devoted to Superintendent Pettigrew's review of the work in detail of the past year is especially interesting and would be most instructive to the student in landscape art. It is pleasing to learn that the end of the construction period is now in sight and that the principal cost in the future will be for maintainance only.

George McWilliam was awarded a gold medal for his magnificent exhibition of seedling dipladenias last week.

Visitors in town: Mr. and Mrs. Phil. Hauswirth and Miss Kreitling, Chicago, Ill.; E. O. Orpet, So. Lancaster, Mass.; J. R. Fotheringham, representing F. R. Pierson Co., Tarrytown, N. Y.; H. S. De Forest, representing Hitchings & Co., New York City.

BEACH CITY, O.—C. R. Shisler has completed his new greenhouse for general stock.

WATERLOO, N. Y.—Edney Smith is erecting a fine barn on his premises north of the Maple Grove Cemetery.

AUSTIN, MINN.—A. N. Kinsman returned home from the Detroit convention after having made the trip of 1200 miles on his bicycle.

SOUTHINGTON, CONN.—G. W. Mathews is making numerous improvements in the Bristol Street Greenhouses, bringing the place right up-to-the-hour.

CHARLEVOIX, MICH.—John W. Lewis, who has worked in various establishments in Michigan, has gone to the Philippines as a private in the 34th Regulars.

MURPHYSBORO, ILL.—E. I. Bradley is preparing to build a house 16x175 adjoining his present range, but the new structure will be devoted to vegetables, a new thing for the vicinity.

CARROL, IA.—A. Ries & Son have sold their greenhouse business to A. N. Nielson, formerly with J. F. Wilcox, of Council Bluffs, Ia. A. Ries, Sr., will carry on the seed business and the young man will locate in Chicago, with Vaughan's Seed Store.

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Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a specialty.

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		100	1000
	FREESIA REFRACTA ALBA,		
	True White, large bulbs....	$.75	$6.50
	FREESIA, pure white, yel. throat	.60	4.75
	" " "		
	⅜ to ½-inch.....	.40	3.00

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AT 11 A. M.

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To Be Sold in the Greenhouses at Woodside, which may be reached by L. I. R. R. or trolley from L. I. City.

500 Kentia Belmoreana,
200 Livistonia Rotundifolia,
500 Areca Lutescens,
250 Cycas,
200 Araucaria Excelsa,
500 Kentia Forsteriana,
150 Pandanus Veitchii,
500 Ficus Elastica,
50 Nephrolepis Bostoniensis (specimens),
300 Japanese Fern Shapes, extra fine,
6000 Assorted Ferns,
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and many other varieties of Ornamental Foliage Plants. Various sizes, in absolutely best order, presenting an unapproachable opportunity.

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W. J PETERS Pres.; D. S LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

D. S. LAKE, Shenandoah, Ia., has been touring the east.

THE stock of C. Ribsam & Son, Trenton, N. J., was sold at auction August 30, fair prices being realized.

THE freight rates on nursery stock from California to common points east of the Mississippi have been advanced twenty-five per cent.

The Apple Crop.

The American Apple Shippers' Association which met at Detroit recently, electing G. E. Richardson, Leavenworth, Kas., president, and W. L. Wagner, Chicago, secretary, has prepared the following estimate of the apple crop, the figures representing the percentage of a full crop:

California	75	Pennsylvania	45
New Jersey	75	Kansas	45
Virginia	65	Illinois	45
Canada	65	Michigan	45
Ohio	65	New York	40
West Virginia	60	Nebraska	40
Arkansas	60	Missouri	40
Maryland	60	Wisconsin	35
Iowa	50	Kentucky	25
Washington	50	New England	25
Colorado	50		

American Pomological Society.

The twenty-sixth biennial meeting of the American Pomological Society was held in the hall of the Pennsylvania Horticultural Society, at Philadelphia, Thursday and Friday, September 10 and 11. The sittings were held in the large lecture room, while the display of fruits was arranged in the spacious foyer around the grand staircase. Some palms donated by Robt. Craig brightened the lecture room. The exhibition was thronged all day by admiring visitors. There was no charge for admission, the only thing required being an attention to the admonition, "Hands off, please." The society had its inception in this city and was first called the American Fruit Growers' Association. This was in 1847; in 1850 the name was changed to the present title and the first exhibition and meeting was held in Philadelphia in 1852, presided over by Henry Brinckle, a president as well of the Pennsylvania Horticultural Society.

The display of fruits this year proved to be one of the best in the recent history of the organization. The exhibit made by the New Jersey Horticultural Society was a great credit to that organization, which staged over 700 plates, including apples, pears, quinces, plums and similar fruits. The apples were noticeably perfect and a show of themselves. Perhaps the most brilliant feature, however, was the collection of grapes. This was particularly fine, and was declared the largest and most perfect collection ever seen in this city. The largest single entry was from the vineyard of C. C. Corby, Mount Clare, N. J., who filled sixty plates with as many varieties. The clusters were of extraordinary size for native grapes. Twenty-five of the varieties were white. Geo. W. Fisher, of the same place, also had a fine lot, filling a table with plates of exquisite clusters. Ellwanger & Barry, Rochester, N. Y., made an exhibit of 103 varieties of pears, embracing the best known sorts and many new ones. H. A. Chase, Mount Pocono, Pa., had a table of fine apples and pears. The Pennsylvania Agricultural Station, State College, Pa., made a large display of apples, pears and grapes. Rakestraw & Pyle, Willowdale, Pa., made a fine exhibit, mostly apples. Roland Morrill, Benton Harbor, Mich., staged some choice peaches. His Albertas were of extraordinary size and seemed in a class by themselves. An attractive feature was a collection of chestnuts and other nuts. Grapes on common stock in tubs which were bearing abundantly were shown by Parry's Pomona Nurseries, Parry, N. J. There were a number of excellent minor exhibits which made the display complete and one of great interest to all students of pomology.

The opening session of the convention was held in the lecture room with President C. L. Watrous in the chair. Rev. Dr. McCook opened the exercises with prayer. Robert Craig, of this city, then made an address of welcome which was responded to on behalf of the society by P. J. Berckmans, of Augusta, Ga. Treasurer L. R. Taft then made his report, which showed the society to be in good financial circumstances. President Watrous next delivered his address, which was listened to with great attention.

"Philadelphia's Contributions to the History of American Pomology" was the subject of an address by Thomas Meehan, of this city. His remarks were reminiscent and showed the great interest taken by horticulturists of this neighborhood in the work of the society.

J. H. Hale, South Glastonbury, Coun., spoke on "Culture," declaring it to be a most important feature of pomological work.

The afternoon session convened at 2 p. m., when the following papers were read by the authors, several of them provoking interesting discussion:

"Present Status of Smyrna Fig Culture in California, with Special Reference to Blastophaga," Dr. L. O. Howard, U. S. Department of Agriculture, Washington, D. C.

"Nomenclature and Systematic Pomology," by Prof. F. A. Waugh, University of Vermont, Burlington, Vt.

"Origin and Development of Buds in Certain Fruit Plants," Prof. Wm. R. Lazenby, University of Ohio, Columbus, Ohio.

"Relations of Color to the Growth of Flower Buds of the Peach," Prof. J. C. Whitten, University of Missouri, Columbia, Mo.

The evening session was taken up with the paper of G. Howard Powell, of the Delaware Agricultural College, Newark, Del., "Importance of the Plant Individual in Horticultural Operations." Herbert J. Weber, Division of Vegetable Physiology and Pathology, U. S. Dep't. of Agriculture, gave a stereopticon lecture on "Systematic Plant Breeding," after which Walter T. Swingle, also of the U. S. Dept. of Agriculture, also illustrated with lantern slides his paper on "Fruit Culture in the Mediterranean Countries." K.



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Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,

The Reading Nursery, READING, MASS.

ESTABLISHED 1854.

HEADQUARTERS FOR

HARDY ROSES.

We are now booking orders for Roses in large lots at REDUCED PRICES. Write for particulars.....

W. & T. SMITH CO., Geneva, N. Y.

Viburnum Tomentosum

A RARE AND BEAUTIFUL SHRUB.

HERBACEOUS PERENNIALS A SPECIALTY

Price list and descriptive catalogue on application.

REA BROTHERS, Norwood, Mass.

HOME OF CHOICE TREES and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.

Frank Brunton, Mgr. ☞Catalogue free.

GENUINE DANISH SEED

only direct from

R. WIBOLTT, seed grower

Nakskov, Denmark.

Pricelist on application



Mr Ball Head Miss Snowball

both of Denmark.

Awarded the largest silver Medal in St. Petersburg in May, 1899.

☞LILY OF THE VALLEY PIPS.

HERR'S PANSIES

BUYING time for plants is now here. Buying the best is an assurance of profit to you. I offer mine as the best in the market on the strength of hundreds of your fellow florists' "say so."

PLANTS ONLY.

Free by mail at 75c. per 100; 250 for $1.50; 500 for $2.50. By Express, $4 per 1000.

A limited supply of SEED from a very good strain at $1.50 per ¼ ounce.

ALBERT M. HERR,

LANCASTER, PA.

FREESIA REFRACTA ALBA.

True white, from Bermuda seed.

Extra selected,	⅜ to ½ in. diam.,	$3	per 1000.
First-class,	¼ to ⅜ in. "	2	"
Mammoth bulbs,	½ to ¾ in. "	6	"

CALLA AETHIOPICA.

Large, well-cured bulbs.

Extra selected,	5 to 6 in. circum.,	$7	per 100.
First-class,	4 to 5 in. "	5	"
Mammoth bulbs,	6 and over "	9	"

Grown at our own farms in California.

Jackson & Perkins Co., NEWARK, NEW YORK.

PALM Seed.

FRESH ON HAND

	100	1000	3000
Phœnix lenuis	$.75	$5.00	$13.50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

PANSIES.

Roemer's Superb Prize Pansies

This improved strain includes all the leading novelt es, strong bushy plants, ready now, 60c. per 100, by mail; $2 per 500, by express; $3 per 1000; $7 per 2000; $10 per 3000; $15 per 5000. ☞ Cash with order.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Pansies.

LILIUM HARRISII Bulbs, 5-7, 400 in case, @ $40.00 per 1000.

GRANDIFLORA NARCISSUS, $6.50 per 1000.

WINDSOR FLOWER SEED CO.,

Box 335, Windsor, Ont.

FIRST QUALITY FORCING ROSES!

Perfectly Healthy and Grown Especially for Late Planting.

Only selected growth from flowering shoots used in propagating.

SUNSET, SAFRANO, PRES. CARNOT, KAISERIN, METEOR, MAIDS, WOOTTON, PERLE, MME. HOSTE.

3-inch pots, $5.00 per 100; 4-inch, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

CINERARIA	CYCLAMEN	PRIMULA	PANSY
Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.	Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.	Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.	Rolker's Giant, $5.00 oz.; ⅛ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 52 Dey St., New York.

When writing mention the American Florist.

AMERICAN BEAUTY

Bridesmaid Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

	Per 100
ASPARAGUS SPRENGERII, 2½-inch pots	$6.00
ASPARAGUS TENUISSIMUS, 2½-in. pots	4.00
CARAX VARIEGATA, 2½-in. pots	5 00
BEGONIA REX, 5-in. pans	10.00
" " 3-in. pots	5.00
PRIMULA (Chinese), Obconica fimbriatum and Obconica hybridum, 2-in. pots, $2.50 per 100; 3-in. pots	5.00
CYCLAMEN, finest strain, in 4 colors, 2½-inch pots	5.00

☞All of the above plants are in fine condition and are sure to give satisfaction.

NATHAN SMITH & SON,

ADRIAN, MICH.

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,

42 W. 28th St., - NEW YORK CITY.

SMILAX. Strong one year old plants, 2½ and 3-inch pots. **$2 50 per 100. $20 a 1000.**

Choice New SMILAX SEED, 25c. per oz., $4 per lb.

PAEONIES for fall planting in choice assortment, $10 per 100.

CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

CYCLAMEN, PRIMULAS, CINERARIAS.

FINEST STRAIN IN THE WORLD.

Cyclamen Persicum Splendens (giz) in four assorted colors, fine plants from 3-inch pots, $8.00 per 100; $75.00 per 1000.

Chinese Primroses (fringed foliage), best market varieties, single, from flats, $2 00 per 100; from 2-in. pots, $3.50 per 100. Double white and red from 2½-in. pots, $4.00 per 100; single b ue, same price.

Cineraria Hyb. Maxima grandiflora and nana, from flats, $1.75 per 100. SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

BROWALLIA GIGANTEA.

Fine plants to grow on for your Xmas trade.

Rooted cuttings $2.00 per 100

Out of 2½-inch pots, bushy 4.00 "

Out of 3½-inch pots, bushy 6 00 "

Samples for 10 cts. in stamps.

HENRY EICHHOLZ, Waynesboro, Pa.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

12,000 ROSES

occupy our propagating houses and must be moved **al once** to make room for **50,000 VERBENA and PETUNIA CUTTINGS.** In order to move this stock **quick** we will offer it at **HALF VALUE** for 30 days. Every plant gu ranteed as fine as was ever knocked out of 3½ and 4-in. pots—4c.; $35.00 per 1000. The same, strong, 2½ and 3-in., 3c.; $25.00 per M. Meteors, Maids, Brides, Perles and La France. Kaiserin, Beauty and Mrs. Garrett, strong, 3-in., at same price.

☞Cash. First come first served.

20,000 CARNATIONS, standard sorts, fine plants, $3.50 per 100.

SMILAX PLANTS, strong, ready to string up, at $1.00 per 100; fine cut strings, 6 to 8 ft. long, 15c each.

SOUTH SIDE FLORAL CO., Springfield, Ill.

WE ARE NOW CUTTING NEW

Brides, Maids and Beauties, also fine lot of Asters.

Still a few BRIDES, WOOTTONS, BEAUTIES; also SMILAX PLANTS. Write.

GEO. A. KUHL, Pekin, Ill.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices.

Send for prices. **Cash with order.**

SMILAX, fine young plants, $12.00 per 1000.

THE NATIONAL PLANT CO., Dayton, O.

ROSES. ROSES.

Maids, Brides, Wootlons and Kaiserins, 3-in., fine stock, $5.00 per 100; $45.00 per 1000.

Maids, Brides, Wootlons and Meteors, 2 and 2½-in., $3.00 per 100; $25.00 per 1000.

Robert F. Tesson, West Forest Park, ...St. LOUIS, MO.

ROSES.

BRIDE, BRIDESMAID, PERLE, WOOTTON, MME. CHATENAY, 3 and 4-in. pots, **$4 per 100.**

The above are all good, strong stock, fit for immediate planting.

EVENDEN BROS., Williamsport, Pa.

They Must Go.

Grand 3-inch **BBIDES, METEORS, MAIDS,** at **40 per cent. discount to close.** This is really superb stock, bushy and full of shoots. Cheap only in price. If you mean business, write for free samples and price. This stock will **make you good money.**

W. H. GULLETT & SONS, Lincoln, Ill.

It is good business policy to mention the

.AMERICAN FLORIST

when you write to an advertiser.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

NEW YORK.—Captain O'Mara has called the members of the bowling club to meet at the alleys on Monday afternoon, September 11. Important business will be transacted.

St. Louis Juniors.

The Junior Florists' Bowling Club held its third meeting last Tuesday. The extremely warm weather kept many away and cut down the scores. The following record was made:

Name	1st	2d	3d	Av.
Wm. Holtz	126	88	101	105
A. Meyer, Jr.	88	105	95	96
Ed. Gerlach	102	72	102	92
Jas. Arado	101	85	83	90
Geo. Angermueller	81	73	111	88
Hy. Betteken	79	95	89	88

A. Y. E.

Pastimes at Flatbush.

Last Thursday was a banner night as to crowd at the bowling alleys, there being eighteen bowlers present. Among the visitors were Messrs. Valentine, of Denver; Kretschmar, of Nyack; Le Moult and Traendly, of New York city; Siebrecht, of Astoria, and a former member, Geo. Huitmuller, whom all were glad to see once more. The cucumber, which is now a regular weekly trophy for the highest score, went to Alfred Zeller, who made the phenomenal record of 204 in the shade.

On Chicago Alleys.

After the meeting of the Florists' Club, Friday evening, September 1, a number of the members adjourned to Anson's Alleys. Captain Anson sympathized with the members of the Detroit team present and was pleased to learn that one of our men, George Stollery, had been so successful. Two regular games were rolled and one that was not regular. For the irregularity of the latter blame must be attached to the scorers, Ed. Winterson and Walter Kreitling. These veteran bowlers have a way of counting which would be a boon to any team in a national contest. They are so accustomed to giving large measure in business that they cannot help following the same course when it comes to chalking up the figures for the men on their respective teams in a bowling contest. A. L. Vaughan complains bitterly because the scores in this game were not given to the press, as he (with a number of others) made records which would have compelled the admiration of the bowling world. Too bad, Lloyd! The scores in the regular games were as follows:

Name	1st	2d	Name	1st	2d
Winterson	117	142	Bruner	119	113
Vaughan	150	136	Degnan	141	116
Enders	104	113	Barker	79	104
Hauswirth	152	135	Samuelson	97	104
Kreitling	105	135	Woodward	111	168
Henderson	103	141			

Cricket at Philadelphia.

The cricket devotees among the florists of this city and vicinity engaged in another match Thursday afternoon, September 7. It was the return game between the Stoke Pogis and Florists of Philadelphia; the first contest, a few weeks ago, at Stoke Pogis farms, resulted in a victory for the florists and Stoke Pogis at once issued a challenge for they believed they could do the trick if given another chance. The game was played on the grounds of the gun club at Wissanoming, which had been especially prepared for the contest. A lunch was provided and John Westcott furnished a bowl of his famous punch, which it is said is worth going miles to sample and perhaps accounts for some of the fine scores. Bowling and batting were better than in the first game. The special feature was the batting of Lockerbie, who was substituted by Mr. Watson for himself, and who made thirty-eight runs and was finally retired, apparently to recuperate. David Rust was the next best run getter, of the florists, having ten to his credit. Moro Phillips made twenty-three and J. Lord nineteen and were the only two players of the Stoke Pogis team to get double figures. Only one inning was played by each side so that the match was declared a draw. Another game will be arranged to decide the championship in the near future. The score follows:

FLORISTS.	Runs	STOKE POGIS.	Runs
Thatcher	1	John Gardner	0
Dodd	4	Geo. Gardner	1
Lockerbie	38	Neal Gardner	1
Rust	10	J. Clemmons	3
Lonsdale	0	J. Huston	7
Campbell	1	W. Lord	7
Jones	8	J. Lord	19
Kift	0	Chas. Peacock	22
Cox	0	Moro Phillips	23
Goetzel	1	J. Higgins	3
Burton	not out	John Higgins	0
Total	63	Total	66
Extras	7	Extras	7
Total	70	Total	73

K.

KNIGHTSTOWN, IND.—J. F. Brown, florist at the Soldier's Home, has a new greenhouse 28x68.

SPRINGFIELD, O.—An unprecedented drought has done great injury to violets and carnations in the field. Schmidt & Botley are building four new houses and adding a new forty horse-power boiler.

FIELD-GROWN **Carnation Plants.**

10,000 READY NOW.

New and Standard varieties, $4 00 to $10.00 per 100. Write me your wants.

CARL HAGENBURGER, West Mentor, Ohio.

CARNATIONS.

Extra strong, healthy field-grown. Now ready.

500 Victor, 500 Jubilee, 600 Flora Hill, 1000 Daybreak, 500 Silver Spray, **5 cts.** 200 Tidal Wave, 300 Scott, 200 Bradt, 200 Pingree, 100 Meteor,

500 field-grown Vincas, 8c. 500 Marie Louise Violets, 4c. FRANK BERRY, Stillwater, Minn.

SURPLUS CARNATIONS!

ALL VARIETIES SOLD BUT

...500 Jubilee...

medium to large, clean and healthy, $5 per 100.

Cash with order. W. SABRANSKY, Kenton, O.

....30,000 FIELD-GROWN **CARNATIONS!**

SCARLET WAVE, DAYBREAK, SCOTT, TIDAL WAVE, ALASKA and SEBEC, extra fine plants, $5.00 per 100, $45.00 per 1000.....

CASH WITH ORDER.

Also a large assortment of Palms, Rubbers, Cycas and Bay Trees. Prices on application.

H. C. STEINHOFF, 578 Hudson Boul., W. HOBOKEN, N. J.

15000 CARNATIONS

WM. SCOTT, LIZZIE McGOWAN, fine stock; fair prices.

C. SCHAFER, Woodside, N. Y.

It may be premature to talk

FIELD CARNATIONS!

Nevertheless I wish to remind you that it will pay you to correspond with me if in want of Standards or Novelties. Letters of inquiry cheerfully answered.

S. S. SKIDELSKY,

1653 No. 7th St., PHILADELPHIA.

Auction Sale.

50 Acres of Nursery Stock,

THURSDAY, SEPT 14th.

CONSISTING OF

SHADE TREES, EVERGREEN TREES, DECIDUOUS AND EVERGREEN SHRUBS, RHODODENDRONS, ROSES AND HARDY HERBACEOUS PLANTS.

Over 500 Specimens of Deciduous and Evergreen Trees!

Stock may remain on the ground until April 1st, 1900.

Terms liberal and made known on day of sale.

CIRCULAR GIVING FULL DETAILS MAILED FREE TO ALL APPLICANTS.

WM. ELLIOTT, Auctioneer.

J. T. LOVETT, Little Silver, N. J.

FOR THE FALL TRADE

You Need a Copy of the New Edition

OF THE

American Florist Company's

TRADE DIRECTORY

OF

FLORISTS, NURSERYMEN AND SEEDSMEN

OF THE

United States and Canada,

ARRANGED BOTH BY

States and Post Offices

AND ALL NAMES

Alphabetically.

THE BOOK also contains corrected lists of the Cemeteries, Superintendents of Parks and Public Gardens, and Florists' Clubs and Horticultural Societies, with the names and addresses of their officers.

PRICE, $2.00; IN FLEXIBLE LEATHER, $3.00.

AMERICAN FLORIST CO.,

324 Dearborn Street, = = CHICAGO, ILL.

Lynn, Mass.

The early planting of carnations seems to have been generally adopted here and most of the growers have benched their stock and have it looking well.

Gibbs Bros. have built a boiler house and potting shed and will put in a forty horse-power boiler. They report fall trade starting early.

S. H. Davenport will put in a twenty-five horse-power boiler and will make his steam with coke.

Wyman & Sons are renovating thoroughly. They have a fine lot of Boston fern.

C. Tassinari has started the Lynn Flower and Fruit Store at 69 Market street.

W. F. Newhall is reglazing three houses.

JAP.

Cleveland.

Business continues dull with no immediate prospect for improvement, save one, the bankers' meeting; the decorations for this will probably be quite extensive. We have had no rain for one solid month and outdoor stock is suffering extremely. Carnations are very small, and unless watered, will be of normal size hardly anywhere.

A.

NAHANT, MASS.—Joseph Troudt, for the past eighteen months foreman for Thomas Roland, will remove to Andover, Mass., and enter business on his own account.

SALEM, MASS.—Wm. T. Walke has his new range nearly completed. Considerable trouble is being experienced here with grasshoppers. One lot of chrysanthemums plunged outside were completely stripped of foliage by them.

FIELD-GROWN CARNATIONS.

Strong Plants, Free From Rust.

JUBILEE, PINGREE, ALBERTINI, IVORY, McGOWAN, WM. SCOTT, PORTIA, EVELINA.

$3.50 per 100. Cash with order.

GEORGE A. HEINL, Toledo, Ohio.

Positively NO Rust.

FINE LARGE PLANTS. Per 100

1600 L. McGOWAN, 500 PORTIA.....$3.50
1500 ELDORADO, 500 SCOTT..... 4 00
250 KITTIE CLOVER..... 4 00
400 PINGREE..... 5 00
1000 DAYBREAK, second size..... 3.00

CASH WITH ORDER.

E. C. MARSHALL, Kennett Square, Pa.

20,000 FIELD CARNATIONS

that must be sold: McGOWAN, PORTIA and SCOTT, fine healthy plants, $4.00 per 100; $35.00 per 1000.

5000 CALIFORNIA VIOLET CLUMPS, $3.00 per 100. MARIE LOUISE and LADY CAMPBELL pot-plants, $3.00 per 100. SWANLEY WHITE, $3.50. All healthy stock. Cash with order.

5000 clumps L. H. Campbell Violets, fine, $5 100; $40 M.

BENJ. CONNELL, Florist, West Grove, Pa.

FIELD-GROWN

CARNATIONS!

.....NOW READY.

HILL, PORTIA, McGOWAN, SCOTT, $5.00 per 100.

JACOB S. HANDTE, Calla, O.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.

GREENHOUSES AND ADDRESS

JOLIET, ILL.

FIELD=GROWN CARNATIONS!

Strong plants, clean and ready for immediate planting.

	Per 100	Per 1000		Per 100	Per 1000
TRIUMPH	$5.00	$45.00	MAYOR PINGREE	$3.50	$30.00
FLORA HILL	5.00	45.00	EVELINA	3.50	30 00
ARGYLE	4.00	35 00	McGOWAN	3.50	30.00
ARMAZINDY	4.00	35.00	ALASKA	3.50	30.00

Wietor Bros., 51 Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS

Strong, healthy stock now ready.

	Per 100
MELBA, AMERICA, MAUD ADAMS, G. H. CRANE	$12.00
MRS. JAS DEAN	8 00
ARGYLE	7 00
TRIUMPH	6 00
CERISE QUEEN	6.00
FLORA HILL, WM. SCOTT, EVELINA, ARMAZINDY	$40 per 1000, 5.00
LIZZIE McGOWAN, small	4.00

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St.
CHICAGO: 84-86 Randolph St.
Greenhouses: Western Springs, Ill.

Carnation Plants.

EXTRA FINE FIELD-GROWN STOCK, Ready Sept. 1st.

	Per 100	Per 1000
FLORA HILL	$6 00	$50.00
DAYBREAK	5.00	40.00
TRIUMPH	5.00	40.00
WM. SCOTT	4.00	35.00
GENESEE	4.00	35 00
McGOWAN	3.00	25 00
METEOR	4.00	35.00

We have over **20,000** of the above varieties to dispose of. Cash with order.

W. A. WETTLIN, Hornellsville, N. Y.

You May Need.... **CARNATION PLANTS**

this fall. If such is the case we will be pleased to hear from you. We have over 25,000 plants to select from. Flora Hill, Bon Ton, Victor and Empress, $6 and $8 per 100; $50 and $70 per M. Lizzie McGowan, $4 per 100; $30 per M. Gold Nugget and Evanston, $10 per 100; and SANDUSKY, which you surely want to give a trial this winter, if you want large quantities of early, large and beautiful variegated flowers that will sell at sight to your customers. Nice, large plants from field, $10 per 100, $80 per M.

W. E. HALL, Clyde, Ohio.

CARNATIONS

Stocky, well-grown plants at

$5.00 per 100.

TRIUMPH, ALASKA, PAINTED LADY and MRS. NORTHWAY.

JOY & SON, Nashville, Tenn.

FINE Field-Grown **Carnation Plants**

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Bon Ton and Scott. **$4 00 per hundred.**

☞Cash with order please.

VAN WERT GREENHOUSES, Van Wert, O.

CARNATIONS

Field-grown plants, medium to large.

	Per 100		Per 100
MELBA	$12.00	STORM KING	$5.00
JUBILEE	6.00	WELLESLEY	5.00
ALBERTINI	6.00	MRS. F. JOOST	6.00
PINGREE	6.00	FIREFLY	5.00
MRS. DUHME	6.00	ARGYLE	5.00
McBURNEY	6.00	EVELINA	7.00
TRIUMPH	7.00	EMPRESS	7.00
HECTOR	8.00	MRS. JAS. DEAN	6.00
ARMAZINDY	6.00	JOHN YOUNG	6.00
PORTIA	5.00	UNCLE JOHN	6.00

H. WEBER & SONS, Oakland, Md.



CARNATIONS

that will please you.

	Per 100
Flora Hill	$6.00
Morello	6.00
Mayor Pingree	5.00
Daybreak	5.00
Scott	5.00
McGowan	$3 & 4.00

C. HUMFELD, Clay Center, Kans.

CARNATIONS FROM FIELD.

I have a few thousand clean, healthy plants to offer of the following varieties: **Flora Hill, Alba Superba, Evelina, Victor, Hector, Wm. Scott, Minnie Cook and Pingree.**

Write for prices.

Robt. Lockerbie, Successor to Pennock Co.
HOLYOAK, DEL.

DAYBREAK!

Extra fine field-grown plants, now ready for delivery—$6.00 per 100.....

JOHN McFARLAND,

NORTH EASTON, - - - MASS.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, Atco, N. J.

FIELD-GROWN VERY STRONG **CARNATIONS**

Plants ready now at bottom prices, including **Jubilee, Daybreak, Triumph,** at $4.00 per 100. **McGowan, Portia, Scott, Meteor, Morello, Ivory** —at $3.00 per 100. ☞Cash with order.

ED. KIRCHNER, Winona, Minn.

...CARNATIONS...

Extra strong field-grown plants of

MELBA, LESLIE PAUL, WHITE CLOUD, FLORA HILL,
DAYBREAK, VICTOR, MRS. JAS. DEAN, LILY DEAN,
MAUD ADAMS, GOLD NUGGET, ARMAZINDY, JUBILEE,
MRS. FRANCES JOOST

and other good varieties. Write for prices.

ROBT. CRAIG & SON, Market and 49th Sts., PHILADELPHIA.

CARNATION CUTTINGS
ALL SOLD.

We are now booking orders for fall delivery; fine plants from the field. Guaranteed strong, vigorous plants free from disease, of all leading varieties.

WRITE US YOUR WANTS.

ASPARAGUS SPRENGERII, in 3, 4 and 5-in. pots. BABY PRIMROSE, 4-in. pots. DRACÆNA INDIVISA, 5 and 6-in. pots. Liberal discounts for liberal orders. All shipments will be well packed. We will endeavor to please you. Send in your orders early. Write us your wants; we can supply them.

LAKE VIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms,
JAMESTOWN, N. Y.

FIELD-GROWN

Carnations!

...SEPTEMBER DELIVERY AND LATER.

We have a very large stock, including

G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN

in good, healthy condition. Send for price list.

F. Dorner & Sons Co., La Fayette, Ind.

Field Grown **CARNATION PLANTS**

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

Carnations...
FIELD-GROWN. AT STOCK.

Scott, Flora Hill, Portia, McGowan, Ivory and Pierson; also a few Harrison's White, Rose Queen, Goldfinch and Morello. Plants in two sizes: Medium, at $3.00 per 100; large, at $5.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

CARNATIONS now ready. Daybreak, Scott, McGowan Elder co. Portia, Bridesmaid Jahn's Scarlet T. Cartledge, A. Webb, C. A. Dana, Morello Meteor, $4 00 per 100. CASH.
D. R. HERRON, Olean, N. Y.

STRONG FIELD-GROWN
CARNATION PLANTS

	Per 100	Per 1000		Per 100	Per 1000
EVANSTON	$10.00	$80.00	JUBILEE	$5.00	$40 00
FLORA HILL	5.00	40.00	MORELLO	5.00	40 00
EVELINA	5.00	40 00	ARGYLE	5.00	40.00
NIVEA	5.00	40.00	DAYBREAK	4.00	30.00
ARMAZINDY	5.00	40.00	McGOWAN	3.00	25 00
McBURNEY	5.00	40.00	PINGREE	3.00	25.00
TRIUMPH	5.00	40.00	TIDAL WAVE	3.00	25.00
			ALASKA	3.00	25 00

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS., 51 Wabash Ave., Chicago.

◎CARNATIONS◎
VICTOR and DAYBREAK
FROM FIELD.

We have a few thousand fine, strong plants, $6.00 per 100, $55.00 per 1000. Cash must accompany order.

HALLIDAY BROS., 11 EAST BALTIMORE ST., ...Baltimore, Md.

4 Acres Field-Grown Carnation Plants, 100,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and packed light by our improved system of packing, by which we can send to all parts of the United States in perfect condition.

MRS. BRADT	WHITE CLOUD	$2 00 per dozen; $10.00 per 100.	
MAYOR PINCREE	LILY DEAN	MORELLO	BUTTERCUP
	$1.50 per dozen. $8.00 per 100.		
C. A. DANA	ARMAZINDY	STORM KING	FLORA HILL
CRIMSON SPORT	DAYBREAK	JUBILEE	METEOR
CAPTAIN KING	HELEN KELLER	TRIUMPH	ELDORADO
	$1.25 per dozen. $6.00 per 100.		
McGOWAN	L. L. LAMBORN	SWEETBRIER	IVORY
MRS. FISHER	TIDAL WAVE	BRIDESMAID	PORTIA
ABERTINI	WM. SCOTT	$1 00 per dozen. $5.00 per 100.	

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety size, beauty of coloring or freedom of bloom by any others grown. Price 50 cts. per 100; $4.00 per 1000.

J. L. DILLON, BLOOMSBURG, PA.

St. Paul.

C. A. Smith is erecting the finest rose house in the state. It is 35x110, built on a side hill. There are six benches rising one above the other, terrace like. Butted glass, 18x18 is used. Roses are the principal stock grown here and Mr. Smith still clings to the old time favorite, Bennett, and considers it one of the most profitable. It must not be forgotten, however, that many of his Bennetts are on fifteen to eighteen-inch stems, rivaling the Beauty. The Meteor he has discarded as it takes too much heat to develop it. Mr. Smith built his first houses here twenty-five years ago but despite his seventy years he is as active as most men at fifty. FELIX.

OTTAWA, ILL.—This city will have a street fair and big floral parade October 7. Over $25,000 has been raised.

HARTFORD, CONN.—Thos. Miller, a well known colored gardener, died at the Hartford hospital on August 27, aged 31.

LYNN, MASS.—Wm. Miller is the latest victim of the "palm swindler." How the brightest of us do get caught occasionally!

FREEPORT, N. Y.—Recent additions to Fred. Lenker's establishment give him 11,500 square feet of ground surface covered with glass. Mignonette and violets grow finely here.

SO. LANCASTER, MASS.—The large three-quarter-span rose house recently erected by Lord & Burnham for Nathaniel Thayer, A. Meredith, gardener, has been filled with roses and chrysanthemums. The house is built with a pit both front and back and is a model in its way.

PRIMROSE

	Per 100.
CHINESE PRIMROSES, ready for 3-in. pots.	$2.00
OBCONICA Grandiflora, " " " "	2.00
" " Rosea " " " "	2.50
FORBESII, " " " "	3.00
ASPARAGUS SPRENGERII, 2½-in. pots	4.00
CARNATIONS, field grown	4.00
PANSY PLANTS	$2.50 per 1000; .50

CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

CHEAP FOR CASH

ALL IN FINE CONDITION. Per 100

PTERIS TREMULA, 2¼-inch pots $3 00
PTERIS SERRULATA, 2¼-inch pots 3.00
PTERIS CRETICA, 2¼ inch pots 3 00
CYPERUS ALTERNIFOLIUS 2¼-inch 3 00
DRACÆNA INDIVISA, 3-inch pots 3.00

WM. SCHLATTER & SON,
437 Bay Street, SPRINGFIELD, MASS.

Azaleas, Bay Trees, Palms, Araucarias,

Stock enormous, quality the finest.

SANDER, Bruges, Belgium.
AGENT: A. DIMMOCK,
60 Vesey Street, - - - NEW YORK.

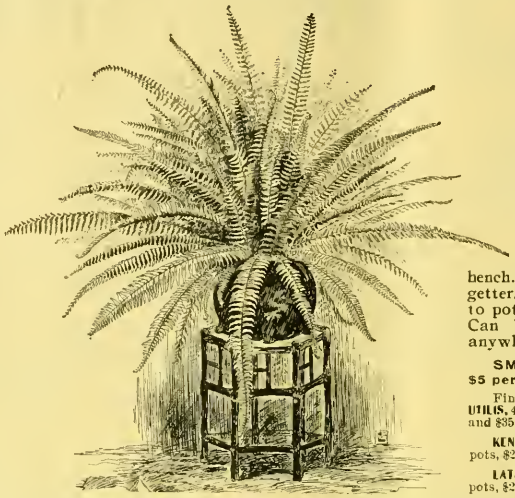
HARDY PINKS

HER MAJESTY, SOUV. DE SALE, GERTRUDE, LAURA WILMER, ALBA FIMBRIATA, 2½ inch, $4.00 per hundred.

VIOLETS: Marie Louise, Russian, Swanley White, Shoubrue, 2½-in. $3.00 per hundred.

The Conard & Jones Co., West Grove, Pa.

THE BOSTON FERN!



Elegant Specimen Plants

of this beautiful decorative fern for 7, 8 and 10-inch pots, spread 4 to 6 feet, at 50c., 75c. and $1.00 each, and smaller ones at 20c. and 25c. each for 5 and 6-in. pots. Cut from bench. No better money getter. Send orders now to pot up for fall sales. Can be safely shipped anywhere in the U. S.

SMALL PLANTS, $5 per 100..$40 per 1000.

Fine stock of PANDANUS UTILIS, 4½ and 5-in. pots, @ $25 and $35 per 100.

KENTIA BELMOREANA, 4-in. pots, $25 per 100.

LATANIA BORBONICA, 4-in. pots, $25 per 100.

L. H. FOSTER, 45 King St., Dorchester, Mass.

A NEW DECORATIVE PLANT.

Cryptomeria Japonica. Japan Cedar.

A dainty jardiniere evergreen often mistaken at first sight for Araucaria excelsa; as handsome as the latter, BUT not so stiff and formal; much better adapted to the trying atmosphere of living rooms, much more easily grown and ten times cheaper. 4-inch pots, $15 per 100; 2½-inch pots, $9 per 100. 25 2½-in. for $2.50 postpaid.

ASPARAGUS SPRENGERII, 4-inch pots, $9 per 100. 2½-inch, $5 per 100.

Jackson & Perkins Co., Newark, New York.

PLANTS. # ..PANSIES.. SEEDS.

....THE JENNINGS STRAIN....
Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100 by express, $4.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.

CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

Orchids!

JUST ARRIVED IN FINE CONDITION, a fresh shipment of *Cattleya labiata* and *C. Speciosissima*, also a limited quantity of *C. Gaskelliana*. Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. Palms and Decorative Plants in Quantity, all sizes and prices. New price list will be ready Sept 15th.

P. O. Box 78,
Anton Schultheis, College Point, New York City

Tell your wants in the American Florist.

PRIMROSES AND PANSY PLANTS.

	Per 100	Per 1000
44,000 Primulas, Alba, Rubra and Mixed, 2¼-inch	$2.00	$18.00
14,000 Primulas, Obconica and Japonica alba, 2¼-inch	2.00	18 00
4,000 New Yellow Baby Primrose, 2¼-inch	10 00	90.00
24,000 Pansy Plants, large flowering (large)		5 00
14,000 Petunias, Double and Fringed, mixed, 22 varieties, 2¼-inch	3.00	25.00
1,000 New Geranium De Roo Mitting		Per Doz. $1.20
200 Asparagus Plumosus, 6-inch		3.00
1,000 Lycopodium Dent. 2¼-in.	2.00	
1,000 Pelargonium The Queen, 2¼-inch	3 00	
1,000 True Maidenhair Fern. 2½-inch	5.00	

THE MORRIS FLORAL CO.
MORRIS, ILL.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

PARSLEY, strong plants 35c per 100; $2.50 per 1000; if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr. & SON, White Marsh, Md.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

15,000
Latania Borbonica.

Fine plants of exceptional value, viz.:

		Per 100	Per 1000
2 character leaves,	12-15 inch	$15.00	$125.00
2-3 "	" 4-in. pots,	15-18 in. 20.00	150.00
4-5 "	" 5-in. pots,	18-20 in. 25 00	
5-6 "	" 5-6 in. pots,	18-20 in. 40 00	

CALADIUMS....
Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...
The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.
12-15 inch..... $12 00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS.
350 ACRES IN NURSERY STOCK.
Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries, AUGUSTA, GA.

BABY PRIMROSE,
12 for $1.50, $10.00 per 100 by mail.

ASPARAGUS SPRENGERI,
25 for $1.50 by mail, $4 per 100, express.

ACALYPHA SANDERI,
12 for $3, 100 for $25 by express.

SWEET-SCENTED CALLA,
12 for $1, 100 for $6 by mail.

New YELLOW CALLA Lemon Giant,
Large bulbs, many eyes, $7.50 for 12.

BEGONIAS, Tuberous, $2.50 per 100.

A. BLANC & CO.,
PHILADELPHIA.

BEGONIAS
Assorted varieties from 2-in. pots,
$2.00 per 100.
EXTRA STRONG.
GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**
CASH, PLEASE.

Edward B. Jackson,
STAMFORD, CONN.

Cyclamen IN.... VARIETY.
Giganteum

FINE PLANTS in
2½-in. pots.....$4.00 per 100
3 " 8.00 "

EDWIN LONSDALE,
Money order office, Chestnut Hill (Sta. H.) Philadelphia, Pa
Wyndmoor, Chestnut Hill, PHILA.

Catalogue Illustrations.
We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....
THE AMERICAN FLORIST CO.



BOSTON FERNS.

THE true stock. Full and compact plants, not overdrawn. We can ship reasonable distances by freight. Order now for your Fall Sales.

Strong plants from	2 in. pots...	per 100, $4.00;	per 1000, $35.00
" "	2½ "	" 6.00;	" 50.00
" "	3 "	" 10.00;	" 85.00
" "	4 "	" 25.00;	" 200.00
" "	5 "	per doz.. 5.00;	per 100, 40 00
" "	6-in. pans	" 6.00;	" 50.00
Fine Specimen Plants..	7 "	" 9.00;	" 70.00
" " "	8 "	" 12.00;	" 90.00
" " "	9 "	" 18.00	
" " "	10 "	each, 2.00	
" " "	12 "	" 3.00 to 5.00.	

Our large stock of **PALMS, ARAUCARIAS, ETC.** are also in the best possible condition. If you are in the market for Palms, write us for our Special Price List, now ready.

BAY TREES, in extra fine condition. All sizes. Write for prices.

POINSETTIAS. Just the stock for Xmas flowering. Strong, stocky plants in 3-in. pots—per 100, $6.00; 4-in. pots,—per 100, $10.00.

14 Barclay Street, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 Randolph St., CHICAGO.

...CHINESE...
PRIMROSES!

Extra strong, ready for 3-in. pots; well known throughout the U. S. and Canada as the finest large flowering fringed varieties grown. SINGLES, named—$2.50 per 100, $20.00 per 1000; DOUBLES, named, $4.00 per 100, $35.00 per 1000—250 at 1000 rates. Extra plants added to help pay the expressage.

PRIMULA Obconica Grand. Rosea, clear pink, the finest of all Obconicas, extra, $3.00 per 100.

PRIMROSE SEED of best 13 varieties, single and double, mixed, 400 seeds, $1; half pkt., 50 cts.

....GIANT PANSY SEED.....

The best of mammoth varieties; no finer ever offered; all the seed plants critically selected; Pkt., 3500 seeds, $1.00; half pkt., 50 cts. A pkt. of new Forget-me-not "Jewel" added to every order for seeds.

STRICTLY CASH PRICES.

THE HOME OF PRIMROSES. **JOHN F. RUPP, SHIREMANSTOWN, PA.**

300 Rex Begonias,
in 4½-inch pots.

300 Umbrella Plants,
in 4½-inch pots.

150 English Ivy,
3 feet long.

250 Primulas
from Vaughan's International mixture, in 3-inch pots, ready for 4-inch shift.

Come and take them away at $3.00 hundred.

JOHN C. MULDER,
7923-25-27 Wright Street. CHICAGO.

CASH PALM and FERN SALE

		Per doz.	Per 100
Latania Borbonica,	2½-in. 1000, $35,		$ 4.00
" "	4½ inch, strong,	$3.00	20.00
" "	5-inch	4.50	32.00
" "	5½-inch	5.00	36.00
" "	6-inch	8.50	64.00
" "	7-inch	11.00	88.00
" "	8-inch	$18- 22.00	145-160.
Kentia Bel. & Fors.,	fine strong, low stuff, 5-inch	9.00	72.00
" " "	5½-inch	12 00	90.00
" " "	6-inch	$18-24.00	140-185.
" " "	7-in. $3-$4; 8-in. $14-16 each.		

Adiantum cuneatum, elegant condition, 4½-inch, strong, $3 per doz.; $22 per 100; 5½-inch, $5 per doz.; $35 per 100.
Ficus elastica, 5-inch, $5.50 per doz.; $45 per 100.
Sword Ferns, 3-in. $7, 4-in. $9.50, 5-in. $18 per 100.

ALBERT FUCHS, (Established 1884),
2059-73 N. Halsted St., HICAGO.
Only Chicago florist awarded Medal on Palms at World's Fair, 1893.

Smilax.
Fine plants out of 2-inch pots, $1.25 per 100; $10.00 per 1000

J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.
CASH WITH ORDER.

DRACÆNA INDIVISA.
100 4-inch plants, cheap.

SMILAX, strong plants, 2½-in. $2 per 100

Carnation Plants.

GENESEE	$8.00 per 100
FLORA HILL	6 00 "
DAYBREAK	4.00 "
TIDAL WAVE	3 00 "
PORTIA	3 00 "
SILVER SPRAY	3.00 "

GEORGE SOUSTER, Elgin, Ill.

Nephrolepis... Washingtoniensis.
This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for ... 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots ... 18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

ADIANTUM CUNEATUM.
SELECT STOCK,
3-inch pots.....$6 pe: 100, $55 per 1000

M. A. HUNT FLORAL CO.,
P. O. Box 235. TERRE HAUTE, IND.

Pittsburg.

BUSINESS SHOWS MORE LIFE.—WITH THE GROWERS.—IMPROVEMENTS IN ACCOMMODATIONS.

Business has brightened up a little but the continued hot weather causes the roses and carnations to still come in rather small. The month of September has brought a number of weddings; one very large church affair taking place at St. Paul's Cathedral on Tuesday of this week was called a "white chrysanthemum" wedding on account of the many large, long stemmed asters used.

J. L. Weiland, one of our best chrysanthemum growers, has dropped that flower this fall, devoting his space to roses and carnations. Fred. Burki, of Bellevue, has four large houses of chrysanthemums coming in good shape. He has seven houses of carnations and eleven of roses.

A. W. Smith has secured a much larger store a few doors above his present location on Sixth avenue.

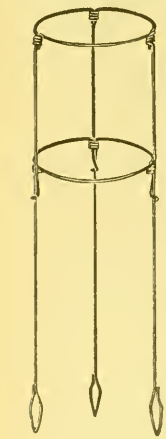
J. B. Ferguson is remodeling his store room, placing large mirrors above his counters. He has been adding to his stock of palms and decorative plants and will have a fine display when he opens up for business. G. O.

OCONOMOWOC, WIS.—Mrs. H. C. Buchler is very ill with typhoid pneumonia and her physician despairs of her recovery.

KINGSTON, R. I.—The members of the Newport Horticultural Society visited the Agricultural College and Experiment Station here on Labor Day, September 4.

PONTIAC, ILL.—Jay Miller, the 19-year old son of W. J. Miller, died September 4 after a long illness. Miss Pauline Menke, of Hope, Ind., has become Mr. Miller's assistant. He has planted his carnations, about 1500, and is already cutting some fine Brides and Bridesmaids from early stock.

The MODEL Extension Carnation Support.



LANCASTER PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.:
Dear Sir:—Your Model Carnation Support is a right in every way and will no doubt be extensively used as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N. Y., Feb 18 '97.
MR. THERON PARKER,
Dear Sir:—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb 18 '97.
MR. THERON PARKER,
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing you every success in the sale of them, I am
Yours truly, E. ASMUS

Straight Galvanized Steel Rose Stakes
AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

ATTENTION IS NOW ASKED TO

Long's FLORAL DESIGNED AND UP-TO-DATE STATIONERY

LETTER AND BILL HEADS, ANNOUNCEMENTS, FOLDERS, BOOKLETS, BLANKS, Etc. DISTINCTIVE AND ADAPTABLE. 20 Samples for 10 cts. in stamps.

DAN'L B. LONG, Publisher, Buffalo, N. Y.

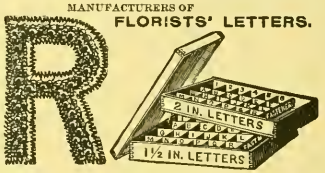
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M. RICE & CO.,
EXCLUSIVE IMPORTERS AND MANUFACTURERS OF..... **Florists' Supplies.**
New Illustrated Catalogue Free for the Asking. 918 Filbert St., PHILADELPHIA

TOBACCO DUST
BY CAR LOADS, ETC.

Now is your time, while I have a surplus, to get your supply, **to the trade only,** at $12 per ton in car lots of 12 tons; 2000 lbs., $14; $7.50 for 1000 lbs.; $4 for 500 lbs.; $1 per 100 lbs. Mixed Dwarf CANNA BULBS, ready this fall, $7 per M. The above prices are for cash only.
M. T. THOMPSON, RIO VISTA, VA.

Boston Florist Letter Co.
MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1 ½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

H. BAYERSDORFER & CO.
Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.
New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.
H. BAYERSDORFER & CO.
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN
Manufacturer of **Florists' Supplies**
Send for a price list.
404-406-408-410-412 E. 34th St., NEW YORK

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

REED & KELLER.....
Florists' Supplies
122 W. 25th St., NEW YORK CITY.

There are buyers for all kinds of stock advertised in the American Florist

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,
DAYTON, OHIO.

"NICOMITE"!
(PATENT.)
Vapor Insecticide.
NO LABOR REQUIRED. HARMLESS TO BLOOM AND FOLIAGE.
A Certain Killer of RED SPIDER, GREENFLY and Other Insect Pests.
THE TOBACCO WAREHOUSING AND TRADING CO.,
Sold by Seedsmen. LOUISVILLE, KY.

...FOR ALL GERMAN HORTICULTURISTS...
Die Gartenwelt
An Illustrated Weekly Journal Devoted to All Branches of Gardening.
Within a few years *Die Gartenwelt* has won for itself the highest opinion of German gardeners and is now universally recognized as the most useful and interesting journal of its class. Among its regular contributors are many of the best known writers in the trade. Each issue contains from five to eight original half tone illustrations and a handsome colored lithograph of some novelty is published monthly. All first-class firms make use of its advertising columns.
Subscription to America, $3.50 per year: three months, 90 cents. Sample copies free.
GUSTAV SCHMIDT, Publisher,
.... BERLIN, W. 35, GERMANY.

SHEEP MANURE Thoroughly pulverized and ready for immediate application. Special prices to Florists and Seedsmen in lots of 20 tons and up.
Testimonials from Agricultural Department University of California. Send for sample.
GEO. C. ROEDING, Prop.
FRESNO FERTILIZER WORKS, FRESNO, CAL.

Helpful Reminders.

In the pigeon-hole of your desk labeled "Fall Orders" are, or should be, memoranda of plantings of shrubs, perennials and various things that were put off for attention this fall. Now is the time for success. If you have not already provided the stock do so at once. Prepare the places for them. Dig large holes and wet well before planting so that when the job is finished the surface of the ground will be dry. Where there is much foliage pick most of it off and cover the loose soil with leaves or straw to prevent rapid evaporation of moisture and the forming of a crust after a rain. This work done before October 1 is much more certain of success than it done later.

Beware of the penny wise and pound foolish practice of saving fuel on occasional cool nights and allowing the temperature to go too low. Be ready to fire and exercise as much care in autumn as in winter.

Where callas were potted August 1, as they should have been, they can be put inside now in a uniformly warm temperature. They should have plenty of water and good drainage and will come on rapidly as you need them, before the early Harrisii.

Primula obconica should have had its last shift now, and will soon be blooming luxuriantly; it is a great help for short white in October and November when white carnations are always scarce.

If you have an old plant of white abutilon in open ground cut it back and clean it up ready for fall bloom; there is nothing like it for daily cutting where a short white is wanted for covering designs; turn the petals back after stemming.

Do not forget that Clematis paniculata takes well on the flower market, but it must be cut and placed with ends in fresh water overnight before using or shipping; sprays should be at least two feet long.

C. B. W.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN——CIRCULAR FREE—

SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the THE BLOOMS Bugs!

QUICKLY DOES IT.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,

HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

STANDARD FLOWER POTS

	FIRST QUALITY.		CREAM COLOR.		
1¾ in.,	per 1000	$2 40	3½ in.,	per 1000,	$ 4 95
2 in.,	"	2 75	4 in.,	"	6 20
2½ in.,	"	3 25	5 in.,	"	10 80
3 in.,	"	4 70	6 in.,	"	16 50

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.

GREEN-HOUSE CONSTRUCTION.

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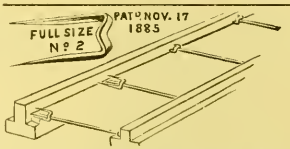
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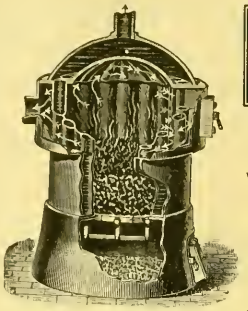
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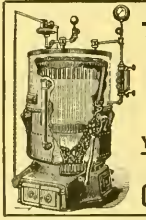
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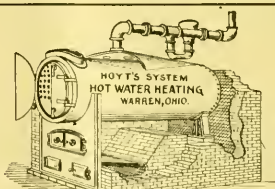


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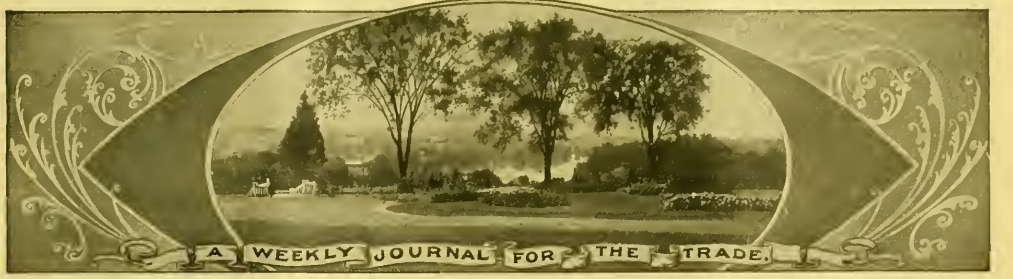
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Vol. XV. **CHICAGO AND NEW YORK, SEPTEMBER 16, 1899.** **No. 589.**

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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CHRYSANTHEMUMS.

SPECIMEN PLANTS.

This is a critical time with specimen plants. Extreme care should mark our use of stimulants, as injury beyond recovery might result from an overdose at this time. We need to become acquainted with the plants, as we would individuals. Some take more plant food than others. It would be a hard matter to over-do it with W. H. Lincoln, while Ivory and G. W. Childs are hard to handle in this respect; Ivory becomes stunted, G. W. Childs, palein the color of the leaves. The probability is that all the feeding roots are dead—in fact, when artificial fertilizers are used, plant food in condensed form, ready to hand, the plants will not search for it and will not develop good root systems. When this condition is discovered the only thing to do is to let them go dry, and only water when absolutely necessary and then only with clear water.

All the growing shoots are now made, and the majority of them should be in place. We can see now the position on the plant each should have and shape them accordingly. Still some shoots will grow later and longer than others, so that to keep the specimens shapely we shall have to rearrange them frequently, for it does not do to let them get hard. It is a mistake to leave a plant until nearly exhibition time and then stake it out. In a case of necessity it may be done with fair results, but it should be done before.

Disbudding will soon commence. I am able now to disbud Mrs. Kalb, but this variety will probably be too early for the week of November 7. For an early exhibition, say the first week of November, the buds should be showing prominently by September 20, and showing color four weeks later. At least two weeks are required, after they show color, before maturity. Plants not showing buds before the first of October will hardly be in.

I gave the plan of allowing several buds to develop on a shoot a trial last season in order to get a mass of color. In this respect I succeeded, and for my own part was satisfied, but I hardly found one to agree with me. Most visitors preferred fewer and large flowers. I dislike to see plants looking thin, as they often do when disbudded closely.

Where wire frames are used we must bend as many shoots as possible to the lower part of the frame. We shall not set too many there; the greatest danger is congestion at the top. Plants grown wholly outdoors in pots should be carefully cleaned and housed. If any fungoid diseases show, a little sulphur scattered about will prove beneficial. Fumigation once or twice will kill all aphides brought in with the plants. It should be done before they get a foothold, and especially before the foliage softens as it always does when the plants are housed.

Those planted out should be potted and staked into shape. About the first of October a little fire heat should be given on damp days, just enough to keep the air moving. T. D. HATFIELD.

The Exhibition at Toronto.

For the last two weeks the Toronto Industrial Exhibition has been in full swing and the show of plants and flowers, when one considers the hot and dry weather, was very good. I noticed that, as usual, the bulk of the prizes for greenhouse and other plants were taken by the various public parks and gardens, few of the florists being in a position to compete with them. Joe. Graham, gardener at the Government House, did very well, taking two firsts, three seconds and two thirds. Manton Bros. took first for twelve stove and greenhouse plants in flower, first for fifty ferns in 3-inch pots and a number of second and third prizes in other departments.

The large prizes offered for the best group of plants caused keen competition and the banks of plants were not only in good condition, but so tastefully arranged as to require very careful judging. The prizes were disposed of as follows: First, $50, to the Horticultural Gardens; second, $40, Manton Bros.; third, $30, Government House; fourth, $20, Grainger Bros.

Robert Brooks, of Fergus, took third prize for flowering begonias, second for twelve tuberous begonias and third for six fuchsias.

The cut flower display was very good. Wm. Rennie succeeded in taking three firsts for dahlias. Jno. Dunlop took first for a handsome bridal bouquet, composed of Bride roses, Asparagus plumosus, with sprays of lily of the valley, swainsonia and Asparagus Sprengerii. A. Gilchrist took both first prizes for carnations and the first for Semple asters. First prize for twenty spikes of cannas went to Wm. Rennie, as did the two first prizes for some fine asters. Jno. Dunlop headed the list in all the prizes given for roses and also for the floral design for the table.

For the funeral design Grainger Bros. took first with a very well executed anchor and capstan. Dunlop took second with a rather peculiar design, a pair of scales, very well executed. The third prize went to J. Simmons for the conventional harp.

It would occupy too much space to enumerate all the prizes given but I may mention some exceedingly fine petunias and Phlox Drummondi which won four first prizes for Wm. Rennie. There was a grand display of gladioli; first for twenty varieties went to A. Gilchrist; first for ten varieties to Wm. Rennie. Three exceptionally fine spikes of Hydrangea paniculata grandiflora gained first prize for J. B. Gallenger, of Southena, and Manton Bros. took first for best fifty vases of cut flowers. There was not a large collection of sweet peas nor were they as good as usual. F. Davis, of Guelph, showed the best and succeeded in taking the two first prizes.

The collection of hardy plants was the best I have yet seen at the exhibition.

S. P.

Exhibition at Red Bank, N. J.

The third annual exhibition of the Monmouth County Horticultural Society was held at Red Bank, N. J., August 30 and 31 and was a marked improvement on former years. The various groups of foliage and decorative plants were much admired and the exhibits of cut flowers, fruits and vegetables were extensive. A special prize was awarded to Mr. Woods for a lot of bees in a glass case where they could be seen working; also to N. Butterback for a collection of squash, to O. McIntosh for a collection of vegetables, and to G. H. Allaire and Arthur Berrand for collections of outdoor grapes. J. T. Lovett's exhibition of cannas, perennials and dahlias were a marked feature. W. A. Manda, South Orange, was to the front, as usual, with an elegant lot of orchids and other novelties. Siebrecht & Son had a fine lot of oncidiums. The judges were: H. A. Siebrecht, New York; Wm. Turner, Tarrytown; Wm. Bartholomae, Kingsbridge, N. Y.; and W. G. Eisele, Long Branch, N. J.

The principal prize winners in the plant classes for members were H. A. Kettel, N. Butterbach and W. Kennedy. In the classes open to all J. T. Lovett was the principal winner. In the classes for fruits and vegetables W. Kennedy won seven firsts and five seconds; H. A. Kettel, five firsts, two seconds; N. Butterback, four firsts, seven seconds; Geo. Kuhn, four firsts, six seconds; O. McIntosh, four firsts, three seconds; A. Brighton, two firsts, two seconds; A. Smock, Jos. Turkington, R. Murphy and H. Jackson, one first each.

R. M.

CARNATIONS.

CULTURAL NOTES.

September 16.—One of the frequent sights at this season is a variety of carnation upon which the lower leaves on some of the plants die off and dry up. Sometimes only a few leaves die and again half the lower part of many plants will be filled with dry leaves. This can hardly be called a disease as it can usually be assigned to weakness in the variety. Plants like this may meet with a check in replanting but they need not be unprofitable, as with a little extra care they will outgrow their weakness.

The best way to treat plants in this debilitated condition is to let them alone until they have regained some of their strength. They should be very carefully watered, but otherwise should be disturbed as little as possible. Do not attempt to pull the dead leaves off for at least six weeks after housing; they are better left alone until about November 15, by which time the plants should be in good growing condition. The best way to clean off these dead leaves is to syringe the plants heavily so that the leaves will be soft; then by talking the stalk of the plant in one hand and pulling the leaves off upward they can be taken off easily and with no danger of "skinning" the plants.

This advice may not agree with some florists' ideas of cleanliness, but I have tried the method of going over such plants every few weeks with disastrous



THE LATE P. H. ALBURGER. (SEE PAGE 199.)

results and I have tried letting them alone with benefit. Where one has plenty of plants it would no doubt pay better to pull these weak plants out and replant the house. I have done this with a house this season but where this cannot be done the grower need not feel particularly blue, as with care they will come out all right.

There is danger in these cool September nights, before fire heat is put in. If the plants go to bed frequently with wet foliage, it will not be long before you have a beautiful attack of "spot." I have said it before, but I repeat it, that as soon as the plants are established in the houses all syringing should be stopped and the plants watered between the rows and early in the day so that they can dry off thoroughly before night. This is especially important between now and the time you put on fire heat.

Green fly can at no time be so successfully fought as now; there are not many flowers to be spoiled by smoke, and I have as yet failed to find anything quite so effective as smoke produced by clean tobacco stems, consequently for the next month we shall smoke the houses once a week. After the plants come into full bloom we cut the smoking down to twice a month.

Buds should be carefully thinned out for it the plants are allowed to produce a full crop of blooms as soon as housed the after crop is sure to suffer. Going over the houses once a week and cutting out all but two or three of the strongest buds gives you flowers that will find a market in competition with chrysanthemums and at the same time stores up the energy of your plants for a good Christmas crop. This thinning out the buds must be discontinued the latter part of October or you will be cutting into your Christmas crop. Particular care will have to be used in removing the buds of slow blooming varieties. Disbudding should of course, be followed up from the time the first bud is left to open until the last one is cut.

ALBERT M. HERR.

WITH THE GROWERS.

FRED. STIELOW, NILES CENTER, ILL.

Fred. Stielow is, without doubt, the pioneer cut flower grower of the west, having begun operations here in 1874, coming from Boston, where he had been producing flowers for that market but also shipping to New York and Chicago. Appreciating the opportunity for a cut flower grower in the vicinity of Chicago, Mr. Stielow settled down at Niles Center where he went into business under the firm name of Stielow & Kuske. There were then a number of other floral establishments in and near Chicago, but all confined their energies to pot plants. After some years Mr. Stielow sold out but started again within a stone's throw of the original establishment. He has increased gradually until he now has a range of nineteen houses, eight of which are devoted to roses, of which he grows only three varieties, Bride, Bridesmaid and Meteor.

Carnations are now being housed. There are ten houses devoted to this flower. Mr. Stielow has tried many varieties, but has retained only a few. His favorites are Lizzie McGowan, Alaska, Wm. Scott, White Cloud, Daybreak and Flora Hill, mostly white, as will be noted.

Marie Louise is the only violet grown here, Mr. Stielow having tried several others only to discard them. Several varieties of chrysanthemums are grown, about 1100 plants in all, and they look very promising.

Mr. Stielow is still busy with glazing, having rebuilt all his houses last spring. Several improvements were made in the establishment, the most noteworthy being the use of the Garland gutter. Mr. Stielow is already of the opinion that he would not be without it now for twice the cost. Another improvement is the Chicago ventilating machine of the John C. Moninger Co., from whom the sash were also procured. The glass, 16x20 A, was purchased early in spring at a very low figure, the new used on the south side of the houses with the old glass towards the north. The houses are built on the short-span-to-the-south plan. The establishment is heated by three Kroeschell boilers, using both hot water and steam.

The product of the houses is consigned to the Chicago market, and always finds a ready sale at very satisfactory prices.

PROVIDENCE, R. I.—The annual fall show of the Rhode Island Horticultural Society was held this week at Savoy Hall. The great feature in the flower department was the dahlia display of H. F. Burt. W. H. Tarbox also made a fine display of dahlias in the various classes. Asters were shown by Neil Ward, W. H. Tarbox, Wm. Hill and Jerome Hunt, and Wm. Hill staged a good group of ferns. Outside the above mentioned the contributions were from amateurs and showed the usual degree of excellence.



HYDRANGEAS AS GROWN BY W. DOWNS, CHESTNUT HILL, MASS.

Hydrangea Otaksa.

The plants shown in the illustration are those exhibited by W. Downs, gardener to H. Dumaresq, at the Massachusetts Horticultural Society's show. Mr. Downs' method of growth is somewhat different from that generally followed. The plants are kept in a barn cellar all winter. The old wood is cut back to three or four eyes and the plants are put out of doors as early as possible where they can get plenty of sun light, being covered over when there is danger from late frosts. They are never under glass. After the flowers begin to show color the plants are moved under the shade of apple trees. Sheep manure is the stimulant used mainly.

Commenting on Mr. Meehan's statement in a recent issue of the AMERICAN FLORIST, to the effect that cut backs on hydrangeas will not bloom, Mr. Downs says that he finds no trouble whatever on that score, it being essential only that the wood be thoroughly ripened in the fall. To facilitate this the plants are carried in every night and out every day in the fall, until the wood is hard and the leaves yellow and dropping and on the advent of severe weather are placed in the barn cellar for the winter, as above noted.

The plants shown in the illustration are six years old, bearing from seventy-five to one hundred and sixty heads of bloom each, the trusses on those bearing the lesser number being frequently eighteen inches across.

ANDOVER, MASS.—Paul R. Burt, of Lowell, has opened a branch store in the Musgrove Block here.

RACINE, WIS.—N. C. Clemenson has lost most of his outdoor stock through the ravages of the army worm.

WATERTOWN, MASS.—Jos. O. Wellington has been making extensive improvements in his forcing houses, including new heating apparatus.

New York.

FLORISTS' CLUB GETS DOWN TO BUSINESS.—SHAW WAS ON DECK.—WHOLESALE HOUSES IN SHIP-SHAPE.—BETTER BUSINESS IN SIGHT.—DOINGS OF THOSE OF THE CRAFT.

On Monday evening the Florists' Club opened the business season of 1899-1900 in due form. The attendance was very gratifying with one exception, the absence of both president and vice-president. An able "pro tem" was secured, however, in the person of ex-president O'Mara and business proceeded without a hitch, under his experienced direction. J. Austin Shaw, who was present, gave a glowing narrative of the Detroit meeting and was loudly applauded and congratulated on his recovery from his injuries. Messrs. O'Mara, Weathered, Withers and Traendly also added interesting testimony. Secretary Young was instructed by a unanimous vote to express formally to the Detroit club the gratitude and thanks of the New York organization for their generous hospitality. A letter was read from Chas. Henderson thanking the club for the floral emblem sent to the funeral of their late fellow-member, Alfred Henderson, and Messrs. C. B. Weathered, S. C. Nash and J. P. Cleary were appointed a committee to prepare suitable resolutions on Mr. Henderson's death.

The smell of new paint still permeates the entire neighborhood of the wholesale quarter and there is many a well-daubed suit of clothes in and about Twenty-eighth street to testify to the industrious efforts of amateur interior decorators. It will be some time before the fragrance of the rose and the lily fully overcomes the scent of this general house cleaning, but it is a great improvement. Last week saw some indications of better business conditions but the present week, starting out with bad weather, does not look so promising and stock has for the time being fallen back to the old summer schedule of values, roses, bringing in bulk not over $4 and $5 per thousand. A few fancy carnations are being received and cattleyas are more plentiful at 40 cents.

A miscellaneous lot of garden tools and implements damaged in the fire at Peter Henderson & Co.'s was sold at auction by order of the fire underwriters on Friday, September 8.

A. Herrington returned on the steamer Campania on September 2. He is sending some very fine mahogany red chrysanthemums to Thos. Young, Jr., under the name of Pride of the Market.

The proximity of the East river is possibly responsible for the great interest manifested at the Cut Flower Market, in the coming international yacht race. Mathews is backing the Shamrock.

The Rosary has been removed from its old location to 388 Fifth avenue.

H. A. Siebrecht has gone to Newport.

Philadelphia.

SIGNS OF AUTUMN IN THE QUAKER CITY.—A NEW COMMISSION HOUSE.—HOME COMING OF THE BURTON FAMILY.—PLANTING ON THE ESPLANADE.—SOME FINE EXHIBITS.

Now that the Grand Army veterans have gone and the marching rhythm of brass bands no longer fills the air, we have begun to settle down and look for business. We are not bothered much as yet but have hopes, for the signs of activity in homes silent throughout the summer and the swelling throngs with sunbrowned faces in the shopping districts all point to the fact that summer is over. The stores are adding new lines as each week passes and growers with choice stock have little difficulty in disposing of everything at fair prices. Roses of all kinds are in very good form for the season and some quite fair carnations are now making their appearance. Beauties being $6 to $10; teas $3 to $5; carnations 50 cents to 75 cents. Asters are on the wane.

There is a new commission man in town. Wm. J. Moore, who for a number of years past has had the handling of the

cut flower stock of Robert Craig & Son, has opened a commission business in his own name at 36 South Sixteenth street. Mr. Moore is a hard worker, well up in the business and a good salesman. With these qualities there is every prospect of success.

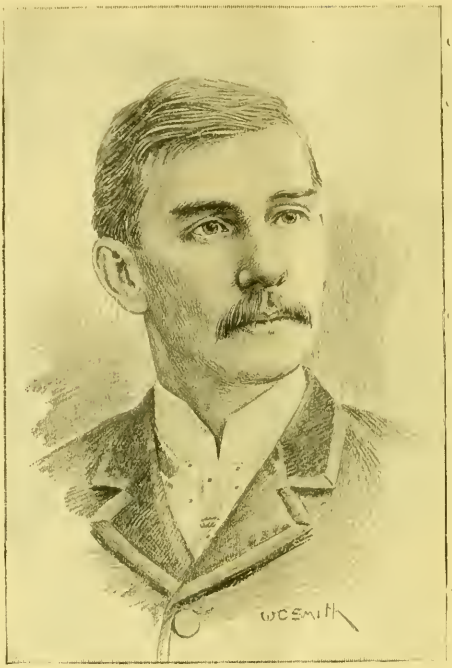
Geo. Burton returned from his European trip last week and reports having had a very pleasant time. Albert Burton, who has been summering in Nova Scotia, is also back and much benefitted by his outing. Isaac Kennedy, another of the Burton family, who has been "away down east" for a rest, is also again in the harness. Roses should now come from the "Hill" with stems just a little longer and buds a shade nearer the standard, if that is possible.

The planting of the flower beds in the center of the esplanade, the main avenue leading from the entrance to the principal buildings of the great Export Exposition, which opened in this city last Thursday, was completed on time and was about the only feature of the exhibition which could claim this distinction. The buildings proper were ready for the exhibits but, like all other affairs of a similar character, the tardy exhibitors were much in evidence. The undertaking promises, however, to be a great success and will soon be in complete running order. The Florists' Club undertook the decorating of the grounds, the plants necessary to be furnished gratis by its members. The exhibition company is to pay the expense of maintenance. Edward Campbell, of Ardmore, the celebrated landscape architect was placed in charge of the work and David Rust appointed secretary of the committee having the matter in charge for the club. Messrs. Thos. Meehan & Son filled one of the fine beds down the center of the esplanade with evergreens, as did also the Andorra Nursery Company. Robt. Craig & Son filled their space with cannas and suitable border plants. John Westcott planted a section with ornamental foliage plants and palms. A. Blanc made a very interesting exhibit of cacti in his section, many of the specimens being quite valuable. A. Knapper planted a side bed very prettily with ferns and Hugh Graham's exhibit of tropical plants formed an interesting and showy group. Messrs. Campbell and Rust worked hard to make the work of the club a feature and other members were equally zealous. K.

Chicago.

ORDERS MORE PLENTIFUL THAN STOCK.—GOOD PRICES THE RULE — DEATH OF CHARLES GAGER VAUGHAN.—DOINGS AT REINBERGS' —AFFAIRS AT LINCOLN PARK. —BRUNS EN ROUTE FROM EUROPE.—MANGEL BRANCHES OUT.—BUSINESS CHANGES AND OTHER MATTERS OF INTEREST.

Beginning with last Saturday business has been too good for the stock in the market and both roses and carnations have been in short supply and prices good, fair field blooms of the latter selling at $1 per hundred, at which rate they ought to pay the grower handsomely. Shipping trade is very good and the scarcity of other stock has brought the aster back into favor, for, although there are more of the poor qualities than can be sold at a profit, the best blooms sell readily at from $1 to $1.50 per hundred. Sweet peas are about at an end, J. S. Forster, of Evanston, being about the only grower who is cutting them in quantity. For almost the first time since spring the fakirs are taking a vacation.



THE LATE ALFRED HENDERSON. (SEE PAGE 175 OF LAST ISSUE.)

J. C. Vaughan has the sympathy of many friends in the unexpected death of his youngest son, Charles Gager Vaughan, aged eighteen years. The young man and his elder brother, Leonard, were on a camping vacation in Montana, when, during one of their trips, far from camp and seventy miles from a railroad, Gager was taken ill. Over rough trails Leonard carried both packs two days, making twenty miles in that time. An old Indian buckboard with two horses was finally secured and an effort made to catch a train soon to stop at the Indian agency, Browning, Mont., but an eminence of the Blackfoot valley was reached only in time to see the train steam away. The agency physician treated the patient for appendicitis and he recovered so far as to be able to start for home, arriving in this city September 7, after a painful journey. Exposure to the rains and cold in camping, and long tramps and hard wagon rides while ill, brought on gastric troubles which aggravated the situation. Conveyed home in an ambulance with physicians in attendance, his condition was at no time considered critical; but he never gained strength, and died September 9. C. G. Vaughan was a popular student at the Armour Institute and a champion athlete.

At any time one must take at least two looks to see the whole of the Reinberg place, for 800,000 feet of glass is too big a range to be taken in at a glance, but now one who wishes to comprehend the whole must take a separate look, a long one, at each house, and there are very many of them, for the big establishment is in fine shape and fast settling down for its winter's work. The place never looked better. The roses are making good growth and promise splendid crops while the new varieties of carnations, which are nearly all represented here, afford much to study. Peter Reinberg is particularly pleased with America. He expects carnations to be in great demand this season and sees an era of prosperity ahead of the trade. Unless he is counting his chickens before they are hatched he will see the Paris exposition and a good part of Europe next summer.

Six of the new houses at Lincoln Park are finished and planted and the other six, which are above the storage and work rooms, are well under way. This is the fourth time that building has been necessary in the twenty-three years that C. J. Strombach has been in charge of the work, but this time the construction is so thorough that he thinks the houses will stand as long as he does. The Garland gutter is being used and there is little wood in the range except the sash bars and benches. The outdoor displays are good this year, particularly the aquatics. The Victorias are better than ever, one plant, which Mr. Strombach raised from seed, having twenty-three mammoth leaves. There will be a fine display of chrysanthemums this fall, the plants having made good growth since they were moved into the new houses.

H. N. Bruns sailed from Hamburg, Germany, on September 10 and is expected home September 24. He has been absent nearly four months and while in Germany bought 200,000 lily of the valley pips; he forced 100,000 last year. The Bruns establishment has been cutting fair lily of the valley for about two weeks, about all that is obtainable in Chicago.

The Bohemian National Cemetery is sending some very good field-grown carnations to the wholesale market. They grow chrysanthemums, carnations and Beauties and have a particularly good red sport of Tidal Wave, of which they have a whole house this year.

J. Mangel, who has made a pronounced success with his down town store, corner State and Washington, will open a store in the residence district of the south side about October 1, southeast corner Forty-seventh street and Lake avenue.

Jos. Fink & Son, 383-389 Herndon street, have dissolved partnership, Frank J. Fink retiring to begin business for himself, at 530 Nielson street, as a grower. He has four houses, giving him 6,700 feet of glass.

W. H. Hilton now occupies the store formerly conducted by E. J. Thiele at 179 Michigan avenue.

Reinbergs shipped 1000 American Beauties to Colorado Springs, Colo., September 10.

The contents of the Omaha Exposition, including plants, have been purchased by the Chicago House Wrecking Co.

H. Schiller reports the summer trade excellent at every one of his three west side stores.

E. C. Amling is now well enough to be down town each forenoon.

Kennicott Bros. Co. is receiving a few chrysanthemums daily.

Visitors: Willis J. Markey, Fort Wayne, Ind.; R. F. Tesson, St. Louis; Otto Schwill and son, of Memphis, Tenn.

Boston.

STATE OF THE MARKET.—A VARIETY OF STOCK.—TRADE FAIR.—AWARDS AT HORTICULTURAL HALL.—VARIOUS MINOR JOTTINGS OF INTEREST.

A tour of the wholesale marts finds business moving along at a fair jog and the out-of-town summer trade holding its own at a much later date than in any recent year. The material offered is as varied in quality as assortment. In roses a large proportion of inferior stock is being received. This applies principally to Bridesmaids and Brides as American Beauty averages first-class for the season and the best grades still maintain their summer value. Carnations in colors are in demand and a grower with good Scott, Daybreak and scarlet or crimson varieties would have no difficulty in placing a good cut regularly at tempting figures just at present. White carnations are very inferior, as a rule, but they are not missed in the prevailing abundance of white asters, which take their place for most uses. As soon as the asters desert us carnations will be good property, even if inferior. There are plenty of white Japan lilies in market, which come in very usefully for the man with a funeral order, and no end of gladioli, mostly light colored and hence useful for the same purpose, especially when half hidden by a veil of Adiantum cuneatum.

There was an exhibition at Horticultural Hall last Saturday, devoted mostly to fruit and vegetables but dahlias and herbaceous plants were there in attractive array and awards were made to H. F. Burt and Lothrop & Higgins for the first named and to W. N. Craig, J. Heurlin and Rea Bros. for the latter. Oakes Ames received a certificate of merit for Cypripedium Kimballianum and gratuities were given to E. J. Mitton for Cattleya labiata, J. E. Clapp for chrysanthemum flowered sunflowers, Rea Bros. for phloxes, etc.

John M. Galvin, who has held the position of City Clerk of Boston for a number of years, has given notice of his resignation to take effect October 1, and will devote his time to his mining interests.

A notice is out from the clerk's office of the U. S. District Court regarding the petition for discharge of James A. and John A. Galvin, of the late wholesale firm of Galvin & Co., in bankruptcy.

J. G. Jack will conduct a series of lectures and field meetings at the Arnold Arboretum during the autumn for the benefit of all who desire to study the trees and shrubs of New England.

At the meeting of the Massachusetts Horticultural Society on Saturday, September 3, fifty new life members were received.

Houghton & Clark have leased the store under the Hotel Berkeley, on the corner of Berkeley and Boylston streets, and will remove there October 1.

Visitors: R. J. Coryell, Detroit, Mich.; J. F. Cowell, Buffalo, N. Y.; C. B. Weathered, New York.

Baltimore.

BUSY DAY RESULTS FROM RECEPTION TO NAVAL REPRESENTATIVE OF THE CITY.—MEETING OF THE CLUB.—WARM DEBATES.

September 12, the anniversary of the battle of North Point, was the date selected for the reception given to Captain Dyer of the cruiser "Baltimore." The city was filled with music, soldiers and enthusiasm, and, as a consequence, the pockets of the retail florists were filled more or less completely and their windows and refrigerators emptied. Sam'l Feast & Sons had the banquet decorations, which were executed in their usual good taste. The chief feature was a model of the "Baltimore" nearly seven feet long, perfect in every detail. The hull was formed of cape flowers, the gun shields of white roses and the whole rested on a sea of ivy leaves. A concealed storage battery did the lighting. The design was placed conspicuously on the speakers' table.

Three new members, Jno. A. Cook, Jos. Cook and Thomas A. McCormick, elected at the last meeting, proves the Gardeners' Club still alive. There was some argument at this meeting over selling flowers at the show, the matter being finally settled, almost unanimously, by deciding to have flowers on sale for the benefit of the club, instead of the old way of selling the privilege. The committee intrusted with the Fischer & Ekas matter reported everything again in good shape there. They read a letter in which the firm expressed its appreciation of the assistance given them. There were some interesting discussions toward the close of the session. MACK.

Nashville.

RESUME OF THE SITUATION AT THE TENNESSEE METROPOLIS.—A GOOD SEASON IN SIGHT.—FOUR VERY GOOD FLORAL ESTABLISHMENTS.

While the first ten days of September were scorchers, there is now a prospect of cooler weather and florists are preparing for an increased business. In a few days our many private schools will receive their hundreds of pupils and this always gives an impetus to the floral trade. The cooler days have also brought back the summer sojourners but "society" is as yet inactive. All through the season mortuary work has been the sustaining factor, several very large funerals causing a big demand.

For such a dry, hot season, stock is looking very well. Roses are still small but there are some good La France and Kaiserin in the market. Beauty shows up fairly well and promises fine for the winter. Asters are pretty good and an abundance of beautiful Clematis paniculata has helped out wonderfully. The long drought has held back dahlias and these flowers will come in just in time to be destroyed by the first frost. Chrysanthemums are looking fine. All of the best varieties are being cultivated and this flower has suffered no decadence in popularity in this locality.

There are four fine floral stores now, pretty well bunched on Church street, and they do the majority of the floral trade of the city. Geny Bros., who are the latest comers, report a fairly good summer. They have a very pretty store in the Tulane Hotel and are specially good on carnations. They have their own greenhouses. Curry & Co., who enjoy a fine patronage, have made extensive preparations for the winter trade and their stock is in fine shape. Joy & Son are hustlers and have a fine showing for their labors. Mrs. C. A. Birn and Mrs. E. Kramer, are not growers and purchase all of their stock. Both have a good trade and turn out some excellent work. M. C. DORRIS.

Cincinnati.

MEETINGS OF THE SOCIETY.—PLANS FOR THE WINTER SEASON.—MONTHLY EXHIBITIONS A SUCCESS.

The regular monthly meeting of the Cincinnati Florists' Society was held September 7 at the greenhouses of R. Witterstaetter, about twenty members being present. The committee reported on the money subscribed for the monthly shows, which are to be continued during the winter season. A. Sunderbruch, R. Witterstaetter and Benj. George have received $150 in subscriptions and there are others to be heard from. It is to be hoped that $300 will be raised so as to enable us to offer $50 each month for awards.

After the business meeting Mr. Witterstaetter invited the boys to his wine cellar, where samples of liquids awaited our coming. After inspecting the range of houses and carnations a lunch was served and it is safe to say that all enjoyed themselves.

Tuesday, September 12, the board of directors met at the residence of E. G. Gillett to map out the new schedule for the ensuing year. It was decided at this meeting that our genial friend, Theo. Bock, of Hamilton, be invited to serve as judge at these shows. The committee will bring in its final report at a special meeting to be held September 23.

Charles J. Jones has returned from Philadelphia, where he attended the G. A. R. encampment with his friend and comrade, President McKinley.

H. SCHWARZ.

ATHOL, MASS.—Jas. Sutherland will go to Boston, October 1, to enter the employ of his uncle, Geo. A. Sutherland.

IONIA, MICH.—Miss Sarada Dysinger, of M. & S. L. Dysinger, of Albion, Mich., and Mrs. Eliza Sprague, of Holly, N. Y., also a florist, are visiting their brother, Geo. Dysinger, here.

BROCKTON, MASS.—Copeland & Cooper have dissolved partnership, Mr. Cooper retaining the store and Mr. Copeland the greenhouses in West Bridgewater, which he will hereafter conduct in his own name.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

EARLY frosts are common to many sections during the latter part of this month.

THE annual meeting of the Canadian Horticultural Association will open at Ottawa September 19.

THOS W. WEATHERED'S SON is completing a large number of greenhouse structures throughout the east and middle west.

WE are indebted to Robt. Craig & Son for a copy of the richly illustrated National Export Exposition souvenir of Philadelphia.

PLANTS of Acalypha Sanderi in the open ground this season have made better growth than those under glass. How these plants will thrive when taken up and potted has yet to be determined. The plant evidently likes full exposure to air and sun.

IT is said that a good new, free-flowering ageratum will be offered next spring by Dreer and Vaughan. The plant originated with James Gurney, of Tower Grove Park, St. Louis, Mo., and has been named Stella Gurney. In habit it is dwarf and compact, with deep blue flower-heads.

Transportation to Ottawa.

The secretary of the Canadian Horticultural Association has received the following information from the Dept. Passenger Agent of the Grand Trunk Railway:

Rates account Central Exhibition, Ottawa, will apply from stations Toronto and east.

Members west will have to pay regular round trip rate to Toronto.

Rates from Toronto will be $7.80. A special excursion will be run on September 18, rate $5.35 from Toronto good to return until September 25.

Trains leave Toronto for Ottawa at 9 a. m. arriving in Ottawa 5 p. m., and 9:30 p. m. arriving in Ottawa following day at 9:30 a. m. A. H. EWING, Sec'y.

Cemetery Superintendents Convene.

Seventy-five members, gathered from eighteen states, attended the thirteenth annual convention of the Association of American Cemetery Superintendents at New Haven, Conn., September 6 and 7. There was the usual list of addresses, among the speakers being A. W. Hobart, Minneapolis; G. C. Nailer, Wilmington, Del.; E. C. Beecher, New Haven; R. J. Haight, Chicago; Timothy McCarthy, Providence, R. I., and others.

The officers elected are: President, Wm. Stone, Salem, Mass.; vice-president, Geo. M. Painter, Philadelphia, Pa.; secretary and treasurer, H. Wilson Ross, Newton Center, Mass.; advisory committee, Frank Eurich, Detroit, Mich.; William Salway, Cincinnati, O.; M. P. Brazill, St. Louis, Mo.; executive committee, Frederick Green, J. C. Dix, T. C. Carroll, all of Cleveland, O.

The association now has 147 members; the receipts for the past year were $792.14 and the balance on hand is $12.40.

Greenhouse Building.

Chattanooga, Tenn.—John Karsten, one greenhouse.

Murphysboro, Ill.—E. I. Bradley, house 16x175.

Springfield, O.—Schmidt & Botley, four houses 24x120.

Mt. Clemens, Mich.—Jas. Taylor, house 16x130.

Madison, N. J.—L. M. Noe, one fern house.

North Adams, Mass.—John Morgan, one greenhouse.

Leominster, Mass.—Jos. Fuller, large violet house.

Providence, R. I.—W. P. Thompson, Hampden Meadows, violet house.

Edgewood, R. I.—H. L. Calder, rose house.

Babylon, N. Y.—Vass & Kayser, three houses 20x100.

Hempstead, N. Y.—Geo. Rugers, house 25x90. Weston Bros., carnation house 20x150. Ford Bros., commercial house, 14x75, one 10x50.

Freeport, N. Y.—Chas. Lenker, propagating house, 10x50; violet and mignonette house, 14x100.

Rhinebeck, N. Y.—John P. Hermance, violet house, 19x150. Albert Bishop, violet house 19x150. P. Trumper, violet house 19x150. Judson Odell, violet house 20x110. Albert Coons, violet house 20x150, one 20x100. Edward Sheak, violet house, 20x60.

Highland, N. Y.—Wm. Feeter, violet house 20x100.

Poughkeepsie, N. Y.—Henry Hartly, violet house 18x100.

Stamford, Conn.—E. Holbrook, conservatory 18x30, palm house 25x30.

Lake George, N. Y.—Mr. Peabody, house 20x50, propagating house 10x50, grapery 20x30.

The Rosarian's Work.

If the reconstructed American Rose Society is to be a live and prosperous organization, as now seems probable, it will be in a great measure due to the recent awakening of American rose growers to the fact that the queen of flowers is much more than merely a useful subject for cut flower forcing purposes and that the development of their favorite involves the consideration of something besides the local questions concerning the culture of the half dozen or so varieties which are commonly grown for the trade of the cut flower shops and the city sidewalk peddlers.

With the exception of the long list of generally unsatisfactory and short-lived budded varieties of so-called hybrid perpetuals of foreign origin, the hardy rose has scarcely been introduced to American flower lovers. The advent of the at once popular Crimson Rambler may be said to mark the turning point and the few pioneers, like Jackson Dawson, who have for years been working unappreciated and getting results uncared for, have now the satisfaction of seeing a score of enthusiastic followers who, with a limitless field, favorable climate, abundant material and a new ambition inspired by trade rivalry and the progressive spirit that puts the American in the van of progress in whatever he earnestly undertakes, as in the case of the chrysanthemum, the canna and the carnation, may be relied upon to follow up the work so well begun and to achieve results that will overshadow in importance, anything heretofore accomplished in American floriculture.

The Crimson Rambler is indeed a grand acquisition, but this, as well as the pretty and interesting progeny of the Wichuraiana and multiflora crossing, as far as seen, is but as the stepping stone to something better in the evolution of our garden favorite to its highest type. The rose will never take its proper place until it has been developed so that we shall have good varieties—climbing as well as bush—blooming continuously from June until November and as vigorous and hardy at least as far north as is Jacqueminot. Who can say that a Crimson Rambler that will not do this is an impossibility? Now that our hybridizers are fairly well started we shall see. And the Rose Society, lifted out of its former restricted field and standing on a broader and better basis, will be no small factor in the great evolution.

The Nomination of S. A. F. Officers.

ED. AM. FLORIST:—In a recent number of your valuable paper the undersigned took occasion to criticise the nominating system by secret ballot now in use in the S. A. F. as being too cumbersome for America, and by which is wasted too much valuable time. I notice your New York contemporary takes exception to what has been said along these lines, and defends the present system in words to this effect:—"That the secret ballot has been adopted in the United States, as in all other lands dominated by the English-speaking race, than whom surely there exists no people more keenly alive to their rights of liberty, of *free speech*, and of representation, is surely answer enough to this critic who desires to take the S. A. F. back to antiquated methods." The italics are mine.

The writer of the quoted paragraph evidently confounds elections with nominations. A nomination no matter how brought about, is never equivalent to an election—especially when two nominees are candidates for the same office. As proof take the contest for treasurer at Detroit. This system now in use may be in vogue and work satisfactorily in other organizations, as stated by your contemporary; if it is, I do not know where it may be found in popular operation, and I have been connected with quite a number of organizations, but do not know of any where it is operated at all excepting in the National Society.

It is to be regretted if true, that there are people who object to hearing the better qualities of others publicly expressed and allow their personal jealousies and antagonisms to be aroused thereby, but your contemporary has so declared. The undersigned has heard many nominating speeches in his time, but they have never had that effect upon him, nor has he ever had any of his acquaintances or friends make complaints in this connection. Nor has he felt that the nominator was insincere when speaking of the personal good qualities of candidates when being placed in nomination, as stated by your contemporary, no matter if he did feel like voting for the other fellow. We endeavor to cultivate a more generous and up-to-date spirit than that. We always listen courteously to all the good things that may be said about another, even if he is

an opponent, without any rankling whatever. Too many of us wait until our fellowman is dead before a thought is given towards saying anything good about him. Of what benefit is laudation to a man under the sod?

Nomination speeches are made in all conventions where officers are to be elected, so far as I am aware, from that for the presidency of the United States down, antiquated though they may be. Nominations by secret ballot curtails "free speech," which is altogether un-American. Let's get back to the good old way. SOLOMON WISE.

A Problem of Return Water.

ED. AM. FLORIST:—I am putting in a new steam boiler but cannot get down low enough on account of the sewer to get the returns back into the boiler. Can you suggest any means by which I can catch the return water and put it back into the boiler without raising unnecessary steam? Have got about forty pounds pressure of city water. Can it be utilized to advantage in running any kind of pump to force the return back into the boiler? I. F. C.

While there are various methods of getting the return water back into the boiler, when low pressure is carried none of them are entirely satisfactory and should not be used unless absolutely necessary. If the coils cannot be raised to a height of fifteen inches above the water in the boiler, and if the boiler cannot be lowered without danger from flooding by surface water, it might answer to use the water pressure to run a small rotary pump with which to remove the surplus water from a small reservoir below the level of the boiler room floor. L. R. TAFT.

OBITUARY.

GEORGE MEAGHER.

Many old acquaintances will be pained to hear of the recent death of George Meagher, of Baltimore. For forty years he had been in the employ of the Halliday family, first under Robt. Halliday, then under Robt. J. Halliday and lastly under William J. Halliday. As flower buyer for Robert J. Halliday he was personally acquainted with every grower about the city and "Johnny," as he was familiarly called, was as well liked as he was widely known. His faithfulness to his employer was proverbial and he was wonderfully proficient in his calling.

MACK.

J. H. LUKENS.

Deceased was educated a civil engineer and, after carrying on this work for a number of years, drifted into the florist business, erecting a range of houses in Burlington, N. J., which he operated to the time of his death, in his sixtieth year, September 9. Mr. Lukens was well informed and a close observer. He was most painstaking and thorough in all that he undertook and was very successful in the cultivation of freesias, his product being by far the best reaching the Philadelphia market. His cultural methods were the subject of a special article in this journal about two years ago. The lily of the valley that he offered was also of the first grade. The business will be continued by his son. K.

PHILIP H. ALBURGER.

Philip H Alburger died on Saturday, September 9, after a short illness, aged 64 years. Deceased was brought up to the butchering trade and followed it with his father for several years. About thirty years ago, being fond of flowers, he built a small greenhouse and shortly afterwards, with his brother, Edward, established a commercial business. About fifteen years ago his brother withdrew from the firm. Mr. Alburger was a patient, hard worker, always up to the times, and had built up a lucrative trade, principally cemetery work, his location being opposite the South Laurel Hill Cemetery, Philadelphia. A new range of houses was in course of erection at the time of his demise. He had a kind and genial disposition and, while he did not often get to the meetings of the Florists' Club of Philadelphia, of which he was a member, he was much liked and popular with those who knew him. He leaves a widow but no children. Mrs. Alburger will continue the business, the present force of employes being very efficient. Interment took place in South Laurel Hill on Tuesday, September 11, and was largely attended by his fellow craftsmen and members of the club. There were numerous floral emblems, that from the Florists' Club being a handsome cross of ornamental foliage with a cluster of choice flowers in the center. At a special meeting of the club the following resolutions were adopted:

WHEREAS, We have learned with deep regret of the death of our fellow member, Philip H. Alburger,

Resolved, That we hereby express our deep sense of loss at this dispensation, and further,

Resolved, That we put on record an expression of the high regard and esteem in which we held him. His kindly nature and well known hospitality and goodness of heart endeared him to us all and we feel deep regret that we shall have his cheerful presence among us no more in our business haunts and at our periodical gatherings and

Resolved, That a copy of these resolutions be sent to his family.

ROBT. CRAIG,
G. C. WATSON,
JNO. WESTCOTT.

NORWICH, CONN.—W. H. Tarbox, of Crompton, R. I., displayed at the fair grounds last week over 1200 dahlias in 400 varieties.

TARRYTOWN, N. Y.—P. O'Mara, New York; Eugene Dailledouze, Flatbush, and Peter Duff, Brighthurst, N. J., have accepted invitations to serve as judges of the fall show.

SITUATIONS, WANTS, FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—As gardener or fireman; 11 years' experience Best reference.
PETER MAHER, Floral Park, L. I., N. Y.

SITUATION WANTED—By a first-class decorator and designer, in a store or greenhouse. Best of references Address E M. care Am Florist.

SITUATION WANTED—By first-class florist and landscape gardener, on private place or park; 9 years in my last place. First-class references Address N D. care American Florist.

SITUATION WANTED—By a practical gardener and florist; 16 years' experience in carnations, mums, violets, bedding plants and mushrooms. Best of references. German. Address F W. P. O. Box 547, Le Roy, N. Y.

SITUATION WANTED—By first-class grower of roses, carnations, chrysanthemums and general stock; capable of taking charge—have been in charge of greenhouses a veral years with one of the largest rose growers in the east. Best of references N O. care American Florist.

SITUATION WANTED—As gardener, florist or general agriculturist; competent for large or small place; can handle men and manage an estate. Unexcelled qualifications as to practical workmanship and results in the different branches. Private place or institutions Prepared to go anywhere Best of wages and fair treatment are the requirements of this advertiser. Particulars etc. by addressing.
A. Box 317, Bryn Mawr, Penna.

WANTED—A good greenhouse hand. Address W. L. SMITH, Aurora, Ill.

WANTED—A first-class designer and decorator. State age and salary expected. Address C A. care American Florist, Chicago.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T WILLIAMSON, Memphis, Tenn.

WANTED—An assistant in a commercial place, 10,000 ft. glass Give references and state wages, including board, per month.
GEO S. BELDING, Middletown, N. Y.

WANTED—Grower of hardy perennials with thorough commercial experience in this class of stock; must be accustomed to handling men HENRY A. DREER, Lock Box 1618 Philadelphia.

WANTED—A florist who can grow good roses, carnations and 'mums and is a good propagator. Must be sober and reliable. A good place for the right man. State wages wanted. Write to S D BRANT, Clay Center, Kan.

WANTED—An all-around florist, single German, for carnations, 'mums, roses, violets and general stock. A steady job; wages, $20 per month, with a rise if progressive. J. F. GIBBS,
Woodville, Allegheny County, Pa.

WANTED—A sober and reliable young man, who wishes to finish his experience in growing cut flowers and general greenhouse stock on a small commercial place; $10 per month with room and board. LOCK BOX 59, Monticello, Sullivan Co., N. Y.

WANTED—Young man of good appearance with some experience in cut flower store, willing to take hold and learn. No greenhouse. Moderate wages to begin. State references.
WILLIAM L. ROCK, 1116 Walnut St., Kansas City, Mo.

FOR SALE—1500 feet 1-inch pipe in good condition, 4c per ft. Four Hitchings & Co. expanding tanks, $2.50 each J. W. DAVIS, Morrison, Ill.

FOR SALE—Glass 10x16 and 8x10 and sash bars, cheap for cash. Also a practical florist wanting to start into business can hear of a good chance.
THEO. NOEBLE, Green Bay, Wis.

FOR SALE OR RENT—Cheap piece of land very suitable for flower business, near Concordia Cemetery. Good cemetery trade HY. HAERTEL, 176 Madison St., Oak Park, Ill., Opp. cemetery.

FOR SALE—At a sacrifice for spot cash if taken at once, greenhouse plant of 3700 feet glass; use city water, stocked and in city of 8000, eastern Illinois. Good established trade. For full particulars address H D. care American Florist.

FOR SALE—Good retail stand, 4000 feet of glass with stock, etc.; in a city of 70,000 in central Illinois. Fine opportunity for the right man. Will sell cheap if taken at once Address G K. care American Florist, Chicago.

FOR SALE—A bargain; fine retail business, 4000 ft. glass, well stocked; 7-room dwelling, barn, stable, etc., in city of 40,000. A fine opportunity for beginner. Reason for selling, bad health. Write at once Address M. care American Florist.

FOR SALE—Greenhouses established ten years; 5000 ft. glass; first class, up-to-date stock 8-room dwelling and land, near center of city of 10,000 Exceptionally fine climate for people with lung troubles. Present owner has heart trouble and is unable to live in this altitude. For particulars address S. C. THORP & SONS, Trinidad, Colo.

WANTED...

Single man to take cuttings and pot plants and help manager. $18.00 per month and board and if worth more in two months' trial will gladly give more. Do not write except you mean business.

THE MORRIS FLORAL CO.,
MORRIS, ILL.

For Sale

at the price of

OLD IRON, Eight No. 8 (enlarged)
"FURMAN BOILERS.

Particulars on application to

AMERICAN ROSE CO., Washington, D. C.

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. PRICE, $2.00.

Cleveland.

RAIN OF GREAT BENEFIT TO OUTDOOR STOCK.—CARNATION PLANTS SMALL.—STATE OF TRADE.—THE CLUB NOMINATES OFFICERS.—PLANS FOR MANY CHANGES.

We have had a soaking rain and carnations are in fair shape for lifting. A few growers report more or less red spider on susceptible varieties like Daybreak, Jubilee and Victor, but it seems that stock is quite free from rust and bacterial disease. The plants, however, are extremely variable as to size. Some stock is but little smaller than in normal seasons and it runs from that report down to very poor indeed with some growers.

Business shows some signs of waking up, but little is going on at this time, although the general prosperity in other lines holds out good promise for the future. Roses and carnations are rather poor. A good deal of mildew is to be seen and carnations, being from outside, usually show the signs of the long drought. There seems to have been even more than the usual amount of dissatisfaction with the returns from outdoor asters, responsibility lying between the aster disease and the frisky aster bug.

The lease on the present quarters of the Florists' Club expiring shortly, a committee has been appointed to inspect the facilities in other localities. Nominations for officers for the ensuing year were made at the meeting of September 11 and results were as follows: President, E. H. Cushman; vice-president, Wm. Brinker; second vice-president, A. Schmitt, James Eadie; secretary, A. H. Graham; assistant secretary, S. N. Pentecost; treasurer, H. A. Hart. The election will take place September 25. Some change of methods, looking to practical business results of benefit to the Cleveland florists, was discussed informally at the last meeting, the past year having been virtually devoted to the search for amusement. A.

Nashua, N. H.

Never did stock look better than it does this season. Whatever may be the condition of carnation plants elsewhere, here seems to be enough to go the round with plenty to spare. A white carnation seldom heard of in the middle or western states is Freedom. It is a general favorite here, many claiming for it all that its name implies. Size, however, is one of the qualities it lacks.

Geo. E. Buxton has added one carnation house 16x75 to his plant and has given his entire place a thorough overhauling. His establishment consists of seven houses, with over 17,000 feet of glass, most of which is devoted to carnations. Besides growing the very best of the latest introductions, he has several good seedlings of his own.

Aug. Gaedeke & Co., as usual, have things in fine condition. Both their rose and carnation plants look as if they are going to yield many fine blooms. Acalypha Sanderi and Begonia Gloire de Lorraine are grown here to perfection. HOMO.

IOWA CITY, IA.—Hohenshuh & Wieniecke have dissolved partnership, the latter continuing the business under the name of Wieniecke's Arcade Book Store.

LEWISTON, ME.—The renowned palm swindler paid us a visit and as usual did the trick successfully. Ernest Saunders was the unhappy victim, the cost of his practical experience being about $50.

ADIANTUM.

This very popular decorative green will this year be grown at the "Rosebank" Nurseries under a new system which greatly increases the yield, while adding largely to the beauty, strength and freshness of the fronds.

The management of the "Rosebank" Nurseries offers to the trade a superior article at the particularly low price of

85 cents per hundred.

A limited number of contracts for regular shipments throughout the season will be made with responsible parties for this fern at this price.

NO CHARGE FOR PACKING.

W. A. McFADDEN,
"ROSEBANK"
CINCINNATI.

PITTSBURG CUT FLOWER CO., Ltd.,

WHOLESALE FLORISTS,

Long Distance 'Phone 2157. Consignments Solicited. *No. 705 Penn Ave.,*

FLORISTS' SUPPLIES. WRITE FOR PRICE LIST. PITTSBURG, PA.

Wholesale Flower Markets

CINCINNATI, Sept. 14.

Roses, Bride, Bridesmaid	2 00@ 3.00
" Meteor	2.00@ 4.00
" Perle	2 00
Carnations	.50@ 1.00
Lily of the Valley	3.00@ 4 00
Asters	1.00
Tuberoses	3 00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Sept. 14.

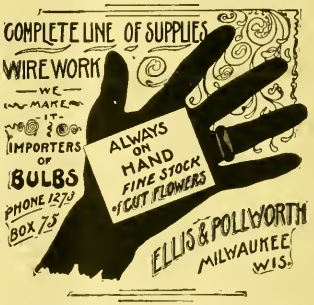
Roses, Beauty	4 00@20.00
" Bride, Bridesmaid, Meteor	2.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1 00
Dahlias	.75@ 1.00
Tuberoses	2 00@ 3 00
Smilax	10.00@12.50
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Sept. 14.

Roses, Beauty, long per doz.	1 50@ 2 00
" " medium " "	1.00@ 1.25
" " short " "	.50@ .75
" Bride, Bridesmaid	2 00@ 4.00
" Perle	2.00@ 3.00
" Meteor	3.00@ 5.00
" Kaiserin	3.00@ 5 00
Carnations, fancy	1.50
good stock	.50@ 1.00
Auratum	12 50@15 00
Asters	.50@ 1.00
Adiantum	.75
Common ferns	.25
Smilax	12.50@15.00
Asparagus	60.00

PITTSBURG, Sept. 14.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Kaiserin	4 00@ 8.00
" Perle	2.00@ 4.00
Carnations	.50@ .75
long	1 00@ 1.50
Lily of the valley	3 00@ 4 00
Tuberoses	2 00@ 3 00
Smilax	10 00@15 00
Wild smilax per case	3 50
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus bunches	.35
Sprengerii, bunches	.35 to 75c
Asters	.25@ 1.50
Gladioli	2.00@ 4.00
Lilium Speciosum	2 00@ 4.00
" Auratum	10.00@15 00



HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

P. O. Box 103. MILWAUKEE, WIS.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

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Special Attention Given to Shipping Orders.

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The Best Drummer. **The American Florist.**

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45-47-49 Wabash Avenue, - - CHICAGO.

We Have the LARGEST WHOLESALE House in Chicago.

OUR SPECIALTIES: **ORCHIDS, HIGH-GRADE ROSES, CARNATIONS and VIOLETS.**

Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

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Growers of Cut Flowers

800,000 FEET OF GLASS.

We can fill orders on short notice with all leading varieties of ROSES and CARNATIONS.

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HALF TONES

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Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

For further information apply to the nearest Railroad Ticket Agent, or to

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J. D. McBEATH, N. E. P. A., 5 State Street, Boston, Mass.

C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

Always mention the.....

American Florist

when writing advertisers.

Wholesale Flower Markets

CHICAGO, Sept. 15.

Roses,	Beauty,	extra long stems		3.00
"	"	24 inch	"	2 00
"	"	20 "	"	1 50
"	"	15 "	"	1.25
"	"	12 "	"	1 00
"	"	8 "	"	.75
"	Bride			2.00@ 4 00
"	Bridesmaid			2 00@ 4.00
"	Perle			2.00@ 4 00
"	Meteor			2 00@ 4 00
"	Kaiserine			2.00@ 5 00
Carnations				75@ 1 00
Lily of the Valley				4 00@ 5 00
Auratums				8 00
Harrisii				10.00@12.00
Chrysanthemums, small,		per doz.		$1 00
Gladioli				1 00@ 4 00
Asters				.50@ 1 50
Mignonette				1.00@ 2 00
Hydrangeas		per dozen		1.00
Adiantum				.50@ 1.00
Common ferns				.15
Fancy Ferns				.20
Smilax				10 00@15.00
Asparagus				50.00

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

TEXAS SEED AND FLORAL CO.

Wholesale Florists,

DALLAS, TEXAS.

Consignments of choice Roses and Carnations solicited.....

We wish to make arrangements with a few first-class growers for regular consignments.

Correspondence solicited.

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

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THE "OLD RELIABLE" FOR WHOLESALE

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Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

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I should like to hear from a few good carnation growers.

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Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

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Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

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Consignments of good stock solicited.

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$1.25 per 1000. Price in quantity on application.

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Roses, Tea	2.00@ 3.00
" extra	4.00@ 5.00
" Beauty, extra	12.00@20.00
" " firsts	8.00@12.00
" " seconds	4.00@ 8.00
Carnations	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet Peas	.15@ .25
Asparagus	.35 @@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00

BOSTON, Sept. 13.

Roses, Beauty, select	12.00@25.00
" " ordinary	2.00@ 5.00
" Bride, Bridesmaid, Meteor	.50@ 4.00
" Kaiserin	1.50@ 6.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asters	.25@ 1.00
Gladioli	1.00@ 4.00
Japan Lilies	2.00@ 3.00
Smilax	8.00@10.00
Asparagus	50.00
Adiantum	.50@ 1.00

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Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

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A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE' is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

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Wellington St., Covent Garden, London, England.

Top Grade

BEAUTIES, BRIDES. BRIDESMAIDS.

LILY OF THE VALLEY and METEORS, for summer shipments.

Extra Carnations.

New Telephone No. 1998 Madison Square.

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J. K. ALLEN,

...Wholesale Florist...

SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.

New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.

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WALTER F. SHERIDAN,

WHOLESALE **FLORIST**

New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*

Roses shipped to all points. Price List on application.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.

Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

....30 West 29th Street.

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Please Mention the American Florist.

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CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

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Roses, Beauty select	10.00@25.00
" " ordinary	2.00@ 5.00
" Bridesmaid, bride, Morgan	.50@ 3.00
" Kaiserin, Meteor	1.00@ 4.00
Carnations	50@ 1.00
" fancy	1.00@ 2.00
Lily of the valley	1.50@ 2.50
Longiflorum	2.00@ 4.00
Gladioli	1.50@ 2.00
Asters, per hundred bunches	1.00@ 3.00
" fancy	50@ 1.00
Cattleyas	35.00@40.00
Smilax	5.00@ 8.00
Asparagus	25.00@35.00
" Sprengeri per doz. bunches	1@2
Adiantum	.40@ .50

BUFFALO, Sept. 14.

Roses, Beauty	3.00@25.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1.00
" fancies	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Lilium Auratum	8.00@12.50
" Speciosum	4.00@ 6.00
Asters	50@ 1.50
Tuberoses	3.00@ 6.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00
Gladiolus	1.00@ 3.00

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Largest Grower of... in the West. Cut Flowers

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119 and 121 West 23d Street, 112 and 114 West 24th Street,

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Special Attention Given to Shipping Orders.

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THE BEST MARKET IN NEW YORK.

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For Summer Use in Cold Storage.....

Write the INTRODUCER,

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Now Ready!

The American Florist Company's..

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollers. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY

324 Dearborn St., CHICAGO, ILL.

EDW. C. HORAN,

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Tel. 421 Madison Square. ...NEW YORK.

Cut Flowers at Wholesale.

All ready for business in our enlarged, attractive, new location. Can accommodate a few more consignors of desirable stock.

OFFERING AT PRESENT...

BEAUTIES, BRIDESMAIDS, BRIDES, METEORS, CARNOTS, KAISERINS, CARNATIONS, VALLEY, LILIES, ASTERS, GLADIOLI, ETC.

LATER ON....

VIOLETS A SPECIALTY.

KEEP POSTED AS TO NOVELTIES IN MARKET BY ATTENTION TO THIS SPACE WEEKLY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT McCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Secy and Treas.

VISITED CHICAGO.—L. L. May, of St. Paul, Minn.; J. Comont, representing James Carter, Dunnett & Beale, of London, Eng.

IN Florida it is now unlawful to offer for sale any garden, melon or vegetable seeds unless the same are in packages bearing on the outside in plain letters a guarantee certificate of when, where and by whom the seeds were grown.

IN the course of several months, if there is no appeal against decisions in pending proceedings, a report is likely to be forthcoming in the affairs of the F. E. McAllister Co., according to a statement received from the National Florists' Board of Trade. It is believed that a dividend of about fifteen per cent will be made, but it is still a question whether New York creditors will be paid before foreign creditors.

Detroit.

BUSINESS FAIR.—ONE BIG ORDER.—THE FIRST FROST.—A VISIT TO HOLZNAGLE'S.—CARNATIONS DOING WELL.—AFFAIRS AT SCHROETER'S.—MISS CURTISS IN BUSINESS.

Business has been generally fair, many funerals and a few weddings furnishing the principal occasions for the use of flowers. The big order of the week was for the reopening of a large dry goods store, 5000 roses and carnations being used in the decorations and gifts of roses being made to the ladies. Sullivan had the order and the firm were well pleased with the results of this feature of the opening. It is hoped that other firms will follow their example and thus increase the popularity of flowers and widen their field of usefulness.

A visit to Frank Holznagle's place quickly dispels the idea that all carnations suffered by the drought of the past season, for here is as fine a lot of these plants as one could wish. One house has been planted about a month with Scott and Cerise Queen. Another large house recently planted contains Daybreak and its white sport, Sweet Briar, Buttercup and Scott are all taking hold nicely. This place, consisting of eight large houses, has been entirely renovated during the past summer. Three of the houses were rebuilt completely and the other houses were reglazed and painted. A new hot water boiler has just been connected and a large and improved work shed is nearing completion. Mr. Holznagle is justly proud of a house of Meteor which is certainly extra fine. Two other houses are planted with Bride and Bridesmaid. One house is devoted to chrysanthemums and another to violets, which are entirely free from disease and look the perfection of health and vigor.

B. Schroeter is building a house 20x100 using 12x24 lapped glass and will plant it at once with carnations. His store on Miami avenue is being painted and redecorated and the greenhouse attached is being stocked with palms and ferns to meet the demand of fall trade which he reports is already starting up nicely.

Miss Curtiss, who has had charge of Andrew Ferguson's retail store for the past five years, will continue the business on her own account at the same place, Mr. Ferguson having abandoned the retail business to devote his entire time to his greenhouses.

Thursday morning we had a light frost which was a note of warning and everyone is hastily getting perishable stock inside. J. F. S.

Indianapolis.

CONDITIONS RIGHT FOR BENCHING STOCK.—AMONG THE GROWERS.—MEETING OF THE CLUB.—JOTTINGS.

Most of the Indianapolis florists are now busy housing carnations for we had a few good rains last week that made conditions just right for that kind of work. Notwithstanding the extreme hot summer most of the plants made a good growth.

Wiegand & Son, Alfred Pahud and Conway & Co., have their new houses under glass and mostly planted. Bertermann Floral Co. have two large houses completed and planted, and will have another smaller one, intended for violets, ready this week. A large amount of glass will also be added to the city greenhouses during fall and early winter to be used for bedding plants.

The September meeting of the Society of Indiana Florists was to be held September 5 at Garfield Park. Unfortunately, however, the day proved to be the hottest of the season and only four of some thirty members had, by 8 p. m., braced up sufficiently to appear upon the scene. Those that stayed at home certainly made a mistake as plenty of fresh air and other cool things were on hand.

The florists seem to take less interest than usual in the State Fair, which will open September 18, and present indications are that the floral display will be rather small.

Wm. G. Bertermann left for Mackinac and the lakes September 13.

H. JUNGE.

PANSIES.

Roemer's Superb Prize Pansies

This improved strain includes all the leading novelties, strong bushy plants, ready now, 60c. per 100, by mail; $2 per 500, by express; $4 per 1000, $7 per 2000; $10 per 3000; $15 per 5000. Cash with order.

PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.

	100	1000
FREESIA REFRACTA ALBA, True White, large bulbs	$.75	$6.50
FREESIA, pure white, yel. throat	.60	4.75
" " "		
⅜ to ½-inch	.40	3.00

Price includes delivery on Freesias.
LIL. HARRISII, EXTRA FINE, 5 to 7-inch 4 50
CALLA AETHIOPICA, 3-7 in. circ. Write for prices.
Send for NEW TRADE LIST.

H. H. BERGER & CO., 47 Barclay St., New York.
Established 1878.

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

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42 W. 28th St., - NEW YORK CITY.

J. AUSTIN SHAW,

271 Broadway, NEW YORK CITY.

would be glad to hear from his customers by mail at the above address and will gladly SELECT any stock they wish from the best houses and at the lowest wholesale prices. Mr. Shaw now represents 25 of the best horticultural firms in the country. Letters will reach him there up to October 1st. His accident at Detroit has prevented him making his usual early call upon his customers.



Forcing Tomato "Frogmore Selected"

Mr. Herrington tells me this is a grand variety. I offer it to Veitch's original packets. Price 50c.

True Lorillard Forcing Tomato

Specially saved for my trade by the originator, Mr. Jno. G. Gardner. Trade pkts. 15c, 25c and 50c free by mail. Bulk price on application.

Sutton's Best of All Forcing Tomato

Large, round, deep scarlet, very prolific. Our own specially selected stock. Trade pkts. 15c, 40c and 75c. Bulk price on application. Stamps accepted for small amounts.

GEORGE C. WATSON,
Seedsman....
BULBS, Juniper and Walnut Streets.
RAFFIA.
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GENUINE DANISH SEED

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R. WIBOLTT, seed grower
Nakskov, Denmark.
Pricelist on application



Mr Ball Head Miss Snowball
both of Denmark.

Awarded the largest Silver Medal in St. Petersburg in May, 1899.

LILY OF THE VALLEY PIPS.

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Gross
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

BOBBINK & ATKINS,

Representatives of the following European Houses:

The Horticultural Co., Boskoop, Holland, H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs.

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Snoeck Bros., Gendbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

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LILY OF THE VALLEY PIPS

for Forcing and Outdoor planting.

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36 CORTLANDT STREET, NEW YORK

FREESIA REFRACTA ALBA.

True white, from Bermuda seed.

Extra selected, ⅜ to ½ in. diam., $3 per 1000.
First-class, ¼ to ⅜ in. " 2 "
Mammoth bulbs, ½ to ¾ in. " 6 "

CALLA AETHIOPICA.

Large, well-cured bulbs.

Extra selected, 5 to 6 in. circum., $7 per 100.
First-class, 4 to 5 in. " 5 "
Mammoth bulbs, 6 and over " 9 "

Grown at our own farms in California.

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McKELLAR & WINTERSON,

Fall Bulbs Of All Kinds

Write for quotations on your wants now. Should you not receive our list, notify us and same will be mailed.

FULL LINE OF ALL

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McKELLAR & WINTERSON, 45-47-49 Wabash Ave., CHICAGO, ILL.

CINERARIA — Large-flowered Euglish, 1-32 oz., $3.50. Trade pkt., 50c.

CYCLAMEN — Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.

PRIMULA — Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.

PANSY — Rolker's Giant, $5.00 oz.; ⅛ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 32 Dey St., New York.

When writing mention the American Florist.

PALM Seed. FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5 00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13 50
Pandanus utilis	1.25	10 00	27.50

L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

Say: "Saw it in the FLORIST."

ZIRNGIEBEL GIANT PANSIES

Seed at $1.00 per trade packet or $5.00 per oz.

Also plants of the above at $5.00 per 1000, securely packed to go any distance. Large transplanted plants for winter bloom at $2.00 per 100 (no dollar an oz. mixture in these plants).

DENYS ZIRNGIEBEL,

NEEDHAM, - - - MASS.

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AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

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THIS is the only word which describes the American Florist Company's Trade Directory. This book, 359 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

EDITION OF 1899, POSTPAID, $2.00.
IN FLEXIBLE LEATHER BINDING, $3.00.

AMERICAN FLORIST CO.,

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THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

W. J PETERS. Pres.; D. S. LAKE. Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

W. W. WHITNEY, a Southern California fruit grower believes that California can make a success with the Zante currants which are being abandoned in Greece.

IN Russia the method of preventing the root-killing of apple trees is the use of the true Siberian crab, Pyrus baccata, as a stock and Prof. N. E. Hansen recommends it to nurserymen of the north for trial.

New England Park Superintendents.

The second annual meeting of the Association of New England Park Superintendents was held this week at Providence, R. I., the initial meeting having been at Boston last year. The first event was a banquet at the Casino in Roger Williams Park on Tuesday evening and there were numerous other pleasures apart from those of the business sessions, at which a constitution was adopted which provides membership privileges for all those who are actively and directly charged with the direction and maintenance of public parks, including superintendents, assistant superintendents, park engineers, foresters and landscape architects, also any person who by gift is developing and improving lands with the purpose of presenting the same to a city for a park, the same being open to the public use. The society is to act as an auxiliary to the American Park and Outdoor Art Association.

Officers elected were: President, J. A. Pettigrew; secretary, G. A. Parker; treasurer, J. A. Hemingway, and one vice-president from each of the New England states. It was voted that the next meeting be held in Worcester, Mass.

Those present were: J. A. Pettigrew, J. B. Shea, and W. J. Stewart, Boston; Jackson Dawson, Arnold Arboretum; G. A. Parker, Theo. Wirth and H. J. Koehler, Hartford, Conn.; H. H. Williams, Upper Falls, Mass.; C. S. Anthony, Taunton, Mass.; C. F. Lawton, New Bedford, Mass.; J. A. Holmes, Cambridge, Mass.; H. A. Hastings, Springfield, Mass.; Henry Frost, Haverhill, Mass.; R. H. Deming, Timothy McCarthy and J. D. Fitts, Providence, R. I.; C. E. Keith, Bridgeport, Conn.; Walter Hubbard, Meriden, Conn.; J. C. Olmsted, Brookline, Mass.; W. H. Richards, Concord, N. H.; N. Norton, Plymouth, Mass.; H. S. Fuller, New London, Conn.; W. H. Wyman, No. Abington, Mass.; James Draper and J. A. Hemingway, Worcester, Mass.; J. A. Dunn, Gardner, Mass., and R. J. Haight, Chicago.

American Pomological Society.

During the closing sessions of the twenty-sixth biennial meeting of this great organization of fruit growers, a number of important papers were presented and officers re-elected as follows:

President, C. L. Watrous, Des Moines, Ia.; vice-president, Thomas B. Meehan, Germantown, Pa.; secretary, W. A. Taylor, Washington; treasurer, L. R. Taft, Agricultural College, Mich.

Eleven cities asked for the meeting of 1901 and the decision was left to the executive committee, with the chances favoring Buffalo.

The committee on the awards of the Wilder medals, the only prizes given at the society's exhibitions, consisted of Dr. F. M. Hexamer, New York; H. E. Van Deman, Virginia; John Craig, Iowa; G. B. Brackett, Washington, and A. G. Cully, Connecticut. The report rendered by Dr. Hexamer was that silver medals be awarded:

To the New Jersey State Horticultural Society for the large and highly meritorious display, comprising 696 plates in twelve different classes.

To Ellwanger & Barry, Rochester, N. Y., for 100 varieties pears.

To the Arkansas Experiment Station for excellent display of apples, including fifteen varieties seedling apples.

To Michigan sub-Station, South Haven, for its educational exhibit.

To Pomona Nurseries, Parry, N. J., for fine collection edible nuts.

To Roland Morrill, Benton Harbor, Mich., for unique exhibit, showing the results in peach growing by following the most approved methods of culture; illustrated by specimens of fruit and accounts of sales.

To John Charlton, Rochester, for Charlton grape, cross of Brighton and Mills, combining quality of both.

To Arkansas Experiment Station for fifteen various seedling apples correctly named and synonyms given.

Bronze medals were awarded:

To C. L. Watrous for collection of native plums, including the newer varieties, prominently among them the New Ulm, Buroota, Brittlewood and Silver.

To Howard A. Chase, Wiscasset Farms, Mt. Pocono, twenty-four plates apples, six plates pears, two plates plums.

To George E. Murrell, Fontella, Va., for thirty-one plates apples, one quince, eight grapes.

Honorable mention was given to Peder Pederson, Cairnwood Orchards, Bethayres, for forty-two plates fruit and nuts.

To W. B. K. Johnson, Allentown, for thirty-five plates apples, pears, quinces.

To New York Experiment Station, Geneva, for collection of native plums.

To Lyman Phelps, Sanford, Fla., for collection Japanese persimmons.

To Luther Burbank, Santa Rosa, Cal., for grapes and seedling apples, but so damaged in transit that merit could not be determined.

To Experimental Farm, Ottawa, Ont., for collection of fruits, resulting from crosses between Pyrus baccata and cultivated apples on crabs, showing remarkable variation.

To Iowa Experiment Station for specimens of the native crabs, showing considerable improvement in size and form over wild type.

To Pennsylvania Experiment Station for collection of thirty-five plates apples and grapes.

To Greening Bros., Monroe, Mich., for banana apples.

To C. C. Corby, Montclair, N. J., for Corby grape and Montclair grape.

To C. R. Hartshorne, Brighton, Md., for Bloomfield apple.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free.

THE STORRS & HARRISON CO., Painesville, O.

When writing please mention American Florist.

F. JAMES,

Nurseryman.

USSY (Calvados), FRANCE,

begs to offer a large assortment of

FRUIT TREE STOCKS,
FOREST TREE SEEDLINGS,
ORNAMENTAL SHRUBS,
CONIFERAE, ETC.....

good sizes, prices low; packing extra; wholesale Price List free on demand. Send your lists of wants before giving your orders. You will receive quotations by return of mail and save dollars.

For Parks, Cemeteries or Private Grounds,

we can furnish a very large and superior stock of

FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.

Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.

Remember we are Headquarters for Nursery Stock in the East.

Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.

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HARDY SHRUBS.

Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

HARDY

Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

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The Reading Nursery, READING, MASS.

ESTABLISHED 1854.

HEADQUARTERS FOR

HARDY ROSES.

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Viburnum Tomentosum

A RARE AND BEAUTIFUL SHRUB.

HERBACEOUS PERENNIALS A SPECIALTY

Price list and descriptive catalogue on application.

REA BROTHERS, Norwood, Mass.

HOME OF CHOICE TREES

and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.

Frank Brunton, Mgr. Catalogue free.

CARNATIONS.

Extra strong, healthy field-grown. Now ready.

500 Victor, 500 Jubilee, 600 Flora Hill, 1000 Daybreak, 500 Silver Spray, } 5 cts. { 200 Tidal Wave, 300 Scott, 300 Bradt, 200 Piugree, 100 Meteor,

500 field-grown Vincas, 8c. 500 Marie Louise Violets, 4c. FRANK BERRY, Stillwater, Minn.

SURPLUS CARNATIONS!

ALL VARIETIES SOLD BUT

...500 Jubilee...

medium to large, clean and healthy, $5 per 100.

Cash with order. W. SABRANSKY, Kenton, O.

....30,000 FIELD-GROWN CARNATIONS!

SCARLET WAVE, DAYBREAK, SCOTT, TIDAL WAVE, ALASKA and SEBEC, extra fine plants, $5.00 per 100, $45.00 per 1000.....

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Also a large assortment of Palms, Rubbers, Cycas and Bay Trees. Prices on application.

H. C. STEINHOFF, 578 Hudson Boul., W. HOBOKEN, N. J.

FINE FIELD-GROWN

Carnation Plants

SCOTT, PINGREE, MORELLO, PORTIA, FLORA HILL, DAYBREAK, McGOWAN, MRS FISHER, ELDORADO, TIDAL WAVE. $3.00 per 100.

CASH WITH ORDER.

THE LAWRENCE GREENHOUSES, St. Marys, Ohio.

CARNATIONS

Field-grown, strong plants.

2,500 LIZZIE McGOWAN, at $3 00 per 100; $25.00 per 1000.

LEROY L. LAMBORN, Alliance, Ohio.

FINE Field-Grown Carnation Plants

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Boo Ton and Scott. $4 00 per hundred.

☞Cash with order please.

VAN WERT GREENHOUSES, Van Wert, O.

Positively NO Rust.

FINE LARGE PLANTS.	Per 100
1000 L. McGOWAN, 500 PORTIA	$3.50
1500 ELDORADO, 500 SCOTT	4 00
250 KITTIE CLOVER	4 00
400 PINGREE	5 00
1000 DAYBREAK, second size	3.00

CASH WITH ORDER

E. C. MARSHALL, Kennett Square, Pa.

20,000 FIELD CARNATIONS

that must be sold: McGOWAN, PORTIA and SCOTT, fine healthy plants, $4.00 per 100; $35.00 per 1000.

5000 CALIFORNIA VIOLET CLUMPS, $3.00 per 100. MARIE LOUISE and LADY CAMPBELL pot-plants, $3 00 per 100. SWANLEY WHITE, $3 50. All healthy stock. Cash with order.

5000 clumps L. H. Campbell Violets, fine, $3 00, $40 M.

BENJ. CONNELL, Florist, West Grove, Pa.

FIELD-GROWN

CARNATIONS!

.....NOW READY.

HILL, PORTIA, McGOWAN, SCOTT, $5.00 per 100.

JACOB S. HANDTE, Calla, O.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

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FIRST QUALITY FORCING ROSES!

Perfectly Healthy and Grown Especially for Late Planting.

Only selected growth from flowering shoots used in propagating.

SUNSET, SAFRANO, PRES. CARNOT, KAISERIN, METEOR, MAIDS, WOOTTON, PERLE, MME. HOSTE.

3-inch pots, $5.00 per 100; 4-inch, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

ROSES AND OTHER PLANTS.

Our semi-annual Trade List now ready. All the new and old Roses. Also PALMS, FERNS, BULBS and all kinds of plants. Write for it to-day. Send us your list of Roses and we will price same for future delivery.

THE GOOD & REESE CO., SPRINGFIELD, OHIO.

THE LARGEST ROSE GROWERS IN THE WORLD.

AMERICAN BEAUTY Bridesmaid Perle. Bride. Sunset. Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS. A. S. MacBEAN, Lakewood, N. J.

12,000 ROSES

occupy our propagating houses and must be moved at once to make room for 5,000 VERBENA and PETUNIA CUTTINGS In order to move this stock quick we will offer it at HALF VALUE for 30 days. Every plant guaranteed as fine as was ever knocked out of 3½ and 4-in. pots—4c.; $35.00 per 1000. The same, strong, 2½ and 3-in., 3c.; $25.00 per M. Meteors, Maids, Brides, Perles, Kaiserin, strong, 3-in., at same price. The same, strong 2½-in. 3c; $25.00 per 1000.

☞Cash. First come first served.

20,000 CARNATIONS, standard sorts, fine plants, $3.50 per 100.

SMILAX PLANTS, strong, ready to string up, at $1.00 per 100; fine cut strings, 6 to 8 ft. long, 15c each.

SOUTH SIDE FLORAL CO., Springfield, Ill.

You May Need.... CARNATION PLANTS

this fall. If such is the case we will be pleased to hear from you. We have over 25,000 plants to select from. Flora Hill, Bon Ton, Victor and Empress, $6 and $8 per 100; $50 and $70 per M. Lizzie McGowan, $4 per 100; $30 per M. Gold Nugget and Evanston, $10 per 100; and SANDUSKY, which you surely want to give a trial this winter, if you want large quantities of early, large and beautiful variegated flowers that will sell at sight to your customers. Nice, large plants from field, $10 per 100, $80 per M.

W. E. HALL, Clyde, Ohio.

ROSES.

500 BRIDES. 200 MAIDS. 100 AM. BEAUTIES. From 3-inch pots.

1000 SMILAX, from 2½-inch pots.

All good strong plants, at a bargain.

JOS. LABO, Joliet, Ill.

CARNATIONS. FLORA HILL, DAYBREAK, SCOTT AND PORTIA, $5.00 per 100; $40.00 per 1000.

FERNS for Dishes, strong 2 and 2½-inch, $3.00 per 100; $27 50 per 1000. Maranta Massangeana, 2½-inch, $5.00 per 100; $40.00 per 1000.

Asparagus Plumosus, $4.50 per 100; $40.00 per 1000.

Asparagus Sprengerii, 3-inch $7 00 per 100.

Dracæna indivisa strong, field-grown $15 per 100.

Gloire de Lorraine Begonia, 2½-inch pots, $2.50 per doz.; 3-in. $3 50 doz. C. Merkel & Son, Mentor, O.

DAYBREAK!

Extra fine field-grown plants, now ready for delivery—$6.00 per 100.....

JOHN McFARLAND,

NORTH EASTON, - - - MASS.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, ATCO, N. J.

A FEW 3-INCH

BRIDE and MAID ROSES

$5.00 PER 100.

FIELD-GROWN VIOLETS.

M. Louise and California, $6 per 100

LATANIA BORBONICA,

3-in., $8 per 100; 4-in., $15 per 100

W. L. SMITH, AURORA, ILL...

WE ARE NOW CUTTING NEW

Brides, Maids and Beauties, also fine lot of Asters.

Still a few BRIDES, WOOTTONS, BEAUTIES; also SMILAX PLANTS. Write.

GEO. A. KUHL, Pekin, Ill.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices.

Send for prices. Cash with order.

SMILAX, fine young plants, $12.00 per 1000.

THE NATIONAL PLANT CO., Dayton, O.

ROSES. ROSES.

Maids, Brides, Wootons and Kaiserins, 3-in., fine stock, $5.00 per 100; $45.00 per 1000.

Maids, Brides, Wootons and Meteors, 2 and 2½-in., $3.00 per 100; $25.00 per 1000.

Robert F. Tesson, West Forest Park, ...St. LOUIS, MO.

ROSES.

BRIDE, BRIDESMAID, PERLE. WOOTTON, MME. CHATENAY, 3 and 4-in. pots, $4 per 100.

The above are all good, strong stock, fit for immediate planting.

EVENDEN BROS., Williamsport, Pa.

They Must Go.

Grand 3-inch BRIDES, METEORS, MAIDS, at 40 per cent. discount to close. This is really superb stock, bushy and full of shoots. Cheap only in price. If you mean business, write for free samples and price. This stock will make you good money.

W. H. GULLETT & SONS, Lincoln, Ill.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Baltimoreans Organize.

After the last meeting of the Gardeners' Club of Baltimore an adjournment was taken to the alleys, where the winter's organization was perfected by the election of I. H. Moss, president, and Robt. Halliday, secretary. MACK.

At Cleveland.

The disastrous drubbing administered at Detroit, has exercised a chastening and subduing effect upon the spirits of the doughty bowlers of the Forest City. As a result they are hiding their diminished heads for a brief season and attempting to recuperate. Later, when the weather settles down to a permanently cooler basis, they intend to come out of hiding and go at it again. A.

St. Louis Juniors.

The following scores were made at the meeting of the Junior Florists' Bowling Club last Tuesday evening, September 12:

Name	1st	2d	3d	Av.
Wm. Holtz	126	150	119	132
Wm. Adles	106	110	146	121
Geo. Angermueller	96	143	108	116
Jas. Lupe	119	110	113	114
A. Meyer, Jr.	125	100	116	114
Henry Betteken	87	116	127	110
Frank Ellis	91	119	84	95
Jas. Arado	103	105	74	94

A. Y. E.

At Denver.

J. F. Wilcox, of Council Bluffs, has been sojourning in Colorado for the last few weeks and, although the weather has been uncomfortably hot for bowling, the Denver players could not forego the opportunity to try issues with him. The score recorded September 6, is as follows:

Name	1st	2d.	3d	Av.
J. N. Jakobson	181	196	226	201
J. F. Wilcox	208	163	203	191
John Barry	181			181
Geo. Brenkert	216	106	177	166
A. M. Lewis	145	149	139	144
Robt. Kurth		137	142	139
Geo. Zimmer	146	119	152	139
Chas. Thless	120	139	141	133
Ernest Flohr	119	120	120	120

J. B.

At New York.

James Weir, Jr., Commodore of the Shelter Island Yacht Club, has won within the past few days three Atlantic Yacht Club cups with the yacht Eidelon. The Weir family seems to have plenty of skipper blood in them. Mr. Weir's nephew Johnnie, son of the well-known "Johnnie" Weir, of Brooklyn, is always on board and looks forward to the time when he will be a commodore, too.

The bowling club had an enthusiastic rally last Monday afternoon and the following scores were recorded:

Name	1st	2d	3d	Av.
Burns	153	170	162	162
Schultheis	152	152	136	147
Lang		188	94	140
Roehrs	128	137	142	136
O'Mara	119	150	137	135
Butterfield	151	107	130	129
Berry	119	129	123	124
Donlan		115		115
Friendly	125	108	111	114
Bunyard	117	126	93	112

The annual meeting of the New York Bowling Club will take place at 7 p. m. on Monday, September 18, at the alleys, Fifty-seventh street and Sixth avenue. Election of officers for the coming year will be in order.

At Flatbush.

The bowling last Thursday evening was serious business, not a visitor being there to disconcert the local artists. There was further cause for congratulation in the fact that there were two cucumbers up for prizes and they went, one to Riley, the pride of Flatbush, for a score of 212 and one to Paul Dailledouze, his understudy, for a score of 170. A correction was announced in regard to the Arcanum cup, which was understood by some to go to the member making highest score for the month, but the cup, being the club's property, cannot be so disposed of. The winner keeps it only as long as he is able to defend it and the man making the highest score the following month becomes its custodian and it stays on his mantel, in turn, until he loses it in like manner.

Milwaukee.

The firm of Binzel & Kellner has dissolved partnership, A. E. Binzel purchasing the interest of August Kellner. The business will continue at the old stand without interruption.

Volk & Stewart have dissolved partnership, but the business will be conducted under the present name, although Mr. Stewart withdraws.

Visitors this week: Fred Rentschler, Madison; Geo. Rentschler, Janesville; John Rindfleisch, Beloit; Mrs. Guillaume, La Crosse; Adam Zender, Rogers Park, Ill. C. B. W.

FORT SCOTT, KANS.—W. C. Zimmer has removed here from Eve, Mo., and started in the florist and nursery business.

ELIZABETH, N. J.—Henry Leahy has brought suit against the Central R. R. of New Jersey for $5,000 damages for the wrecking of his greenhouses on the night of April 27, when a car jumped the track.

DENVER, COLO.—At the Festival of Mountain and Plain and State Fair to be held September 25 30 there will be a good display of plants and cut flowers, premiums having been provided for twenty-three classes.

SPRINGFIELD, MASS.—The Hampden County Horticultural Society has decided to hold no chrysanthemum show this year but will unite with the Amateur Horticultural Society in the dahlia show to be held on September 19–20.

30,000 FIELD-GROWN CARNATIONS

STRONG AND HEALTHY PLANTS.

New York, Frances Joost, $7.00 per 100.

Victor, Daybreak, Genesee, Freedom, $6.00 per 100; $50.00 per 1000.

Bon Ton, Wm. Scott, Ferd Mangold, Empress, McGowan, Alaska, $5.00 per 100; $45.00 per 1000.

Ask for samples at 100 price. Cash with Order.

S. J. REUTER, - Westerly, R. I.

FIELD-GROWN VERY STRONG CARNATIONS

Plants ready now at bottom prices, including **Jubilee, Daybreak, Triumph,** at $4.00 per 100. **McGowan, Portia, Scott, Meteor, Morello, Ivory** —at $3.00 per 100. Cash with order

ED. KIRCHNER, Winona, Minn.

CARNATION PLANTS. STRONG FIELD GROWN.

	Per 100	Per 1000
EVANSTON	$10.00	$80 00
EVELINA	5.00	40.00
NIVEA	5 00	40.00
ARMAZINDY	5.00	40.00
McBURNEY	5.00	40 00
JUBILEE	5.00	40 00
MORELLO	5.00	40 00
ARGYLE	5.00	40.00
DAYBREAK	4.00	30.00
PINGREE	3 00	25.00
TIDAL WAVE	3 00	25.00
ALASKA	3.00	25 00

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS.,
51 Wabash Ave., CHICAGO.

FIELD-GROWN CARNATION PLANTS

Strong, healthy stock now ready.

	Per 100
MELBA, AMERICA, MAUD ADAMS, G. H. CRANE	$12.00
MRS. JAS DEAN	8 00
ARGYLE	7.00
TRIUMPH	6 00
CERISE QUEEN	6.00
FLORA HILL, WM. SCOTT, EVELINA, ARMAZINDY	$40 per 1000, 5.00
LIZZIE McGOWAN, small	4.00

VAUGHAN'S SEED STORE,
NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.
Greenhouses: Western Springs, Ill.

FIELD CARNATIONS

As fine ones as you ever saw and as cheap as those measly ones. Hill, Daybreak, Scott, McGowan, McBurney, Portia, Dorner, Kohinoor Eldorado, Jubilee, Triumph, S. Spray and Della Fox.

Let us figure on your wants.....

LAMPRECHT BROS., Ashland, O.

STRONG FIELD-GROWN CARNATIONS

WM. SCOTT, L. McGOWAN, TIDAL WAVE, SCARLET WAVE, VICTOR AND ALASKA.

☞Ask for prices.

J. H. FIESSER, West Hoboken, N. J.

FIELD-GROWN CARNATIONS.

Strong Plants, Free From Rust.

PINGREE, ALBERTINI, IVORY, WM. SCOTT, PORTIA, EVELINA, McGOWAN,

$3.50 per 100. Cash with order.

GEORGE A. HEINL, Toledo, Ohio.

FOR SALE.

Carnation Plants. FIELD-GROWN, STRONG.

Meteor..... $4.00 per 100 | McGowan..$3.50 per 100
Tidal Wave..$3.50 per 100

F. J. ROBINSON, Oak Park, Ill.

CARNATIONS!

I can supply you the best standards as well as novelties.

Write for price list.....

S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.

...CARNATIONS...

Extra strong field-grown plants of

MELBA, LESLIE PAUL, WHITE CLOUD, FLORA HILL,
DAYBREAK, VICTOR, MRS. JAS. DEAN, LILY DEAN,
MAUD ADAMS, GOLD NUGGET, ARMAZINDY, JUBILEE,
MRS. FRANCES JOOST and other good varieties. Write for prices.

ROBT. CRAIG & SON, Market and 49th Sts., PHILADELPHIA.

CARNATION CUTTINGS
ALL SOLD.

We are now booking orders for fall delivery; fine plants from the field. Guaranteed strong, vigorous plants free from disease, of all leading varieties.

WRITE US YOUR WANTS.

ASPARAGUS SPRENGERII, in 3, 4 and 6-in. pots. **BABY PRIMROSE,** 4-in. pots. **DRACÆNA INDIVISA,** 5 and 6-in. pots. Liberal discounts for liberal orders. All shipments will be well packed. We will endeavor to please you. Send in your orders early. Write us your wants; we can supply them.

LAKE VIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms.
JAMESTOWN, N. Y.

FIELD-GROWN
Carnations!

...SEPTEMBER DELIVERY AND LATER.

We have a very large stock, including

G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN

in good, healthy condition. Send for price list.

F. Dorner & Sons Co., La Fayette, Ind.

Field Grown **CARNATION PLANTS**

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

Carnations...
FIELD-GROWN, A1 STOCK.

Scott, Flora Hill, Portia, McGowan, Ivory and Pierson; also a few Harrison's White, Rose Queen, Goldfinch and Morello. Plants in two sizes: Medium, at $3.00 per 100; large, at $5.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

CARNATIONS now ready. Daybreak, Scott, McGowan Elder 60 Portia, Bridesmaid Jahn's Scarlet T Cartledge, A Webb, C. A. Dana, Morello Meteor, $4 00 per 100. CASH.
D. R. HERRON, Olean, N. Y.

FIELD-GROWN
CARNATIONS!

Strong plants, clean and ready for immediate planting.

	Per 100	Per 1000		Per 100	Per 1000
TRIUMPH	$5.00	$45 00	MAYOR PINGREE	$3.50	$30.00
FLORA HILL	5.00	45.00	EVELINA	3.50	30 00
ARGYLE	4.00	35 00	McGOWAN	3.50	30.00
ARMAZINDY	4.00	35.00	ALASKA	3.50	30.00

Wietor Bros., 51 Wabash Ave., **Chicago.**

When writing mention American Florist.

4 Acres Field-Grown Carnation Plants, 100,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and packed light by our improved system of packing, by which we can send to all parts of the United States in perfect condition.

WHITE CLOUD	$2.00 per dozen; $10.00 per 100.		
MAYOR PINGREE	LILY DEAN $1.50 per dozen.	MORELLO $8.00 per 100.	BUTTERCUP
C. A. DANA	ARMAZINDY	STORM KING	FLORA HILL
CRIMSON SPORT	DAYBREAK	JUBILEE	METEOR
CAPTAIN KING	HELEN KELLER $1.25 per dozen.	TRIUMPH $6.00 per 100	ELDORADO
McGOWAN	L. L. LAMBORN	SWEETBRIER	IVORY
MRS. FISHER	TIDAL WAVE	BRIDESMAID	PORTIA
ABERTINI	WM. SCOTT	$1 00 per dozen.	$5.00 per 100.

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety size, beauty of coloring or freedom of bloom by any others grown. Price 50 cts. per 100; $1 00 per 1000.

J. L. DILLON, BLOOMSBURG, PA.

CARNATIONS
Field-grown plants, medium to large.

	Per 100		Per 100
MELBA	$12.00	STORM KING	$5.00
JUBILEE	6.00	WELLESLEY	5.00
ALBERTINI	6.00	MRS. F. JOOST	6.00
PINGREE	6.00	FIREFLY	5.00
MRS. DUHME	6.00	ARGYLE	5.00
McBURNEY	6.00	EVELINA	7.00
TRIUMPH	7.00	EMPRESS	7 00
HECTOR	8.00	MRS. JAS. DEAN	6.00
ARMAZINDY	6.00	JOHN YOUNG	6.00
PORTIA	5.00	UNCLE JOHN	6.00

H. WEBER & SONS, Oakland, Md.

Carnation Plants.
EXTRA FINE FIELD-GROWN STOCK, Ready Sept. 1st.

	Per 100	Per 1000
FLORA HILL	$6 00	$50.00
DAYBREAK	5.00	40.00
TRIUMPH	5.00	40.00
WM. SCOTT	4.00	35 00
GENESEE	4.00	35 00
McGOWAN	3 00	25 00
METEOR	4.00	35.00

We have over **20,000** of the above varieties to dispose of. Cash with order.

W. A. WETTLIN, Hornellsville, N. Y.

New Haven, Conn.

Business is increasing, for a goodly number of people are returning to town from their summer houses. Prospects indicate a good fall trade. Carnations of all varieties are very scarce, but roses are very good and plentiful, the choicest varieties bringing only $1 per dozen. Asters are very fine and meet with ready sale.

Gustav Ginter, of 97 Elliott street, is building a range of three houses 15x60, with store in front, on Sylvan avenue, opposite the entrance to the cemetery.

J. K. Allen, the New York commission man, was in town Friday of last week. Other recent visitors were: Mark Aitkens, Springfield, Mass.; S. E. Banks, Westport, Conn.; S. S. Skidelsky, Philadelphia; F. L. Atkins, Rutherford, N. J. G. H.

Paducah, Ky.

C. L. Brunson & Co. have just completed quite an addition to their establishment. They have erected a fern house 110 feet long, now stocked with a fine assortment varying in size from thumb pots to 8-inch specimen plants, all in splendid condition. They have also rebuilt two plant houses each 110 feet long, making them higher, lighter and warmer. They will add nursery stock and are now preparing to plant several thousand plants. The greenhouse stock has never been in such fine shape. They have increased their stock of Beauties one half, also carnations, having added the best standard varieties. They have over 5000 chrysanthemums in better condition than usual. The past season has been a record breaker and the prospects are for a still better trade this season.

LENOX, MASS.—It has been definitely decided that there will be no floral parade here this year.

Per 100

ASPARAGUS SPRENGERII, 2½-inch pots.....$5.00

ASPARAGUS TENUISSIMUS, 2½-in. pots..... 4 00

CAREX VARIEGATA, 2½-in. pots..... 5 00

BEGONIA REX, 5-in. pans.....10.00

" " 3-in. pots..... 5.00

PRIMULA (Chinese), Obconica fimbriatum and Obconica hybridum, 2-in. pots, $2 50 per 100; 3-in. pots..... 5.00

CYCLAMEN, finest strain, in 4 colors, 2½-inch pots..... 5.00

☞ All of the above plants are in fine condition and are sure to give satisfaction.

NATHAN SMITH & SON,
ADRIAN, MICH.

CYCLAMEN, PRIMULAS, CINERARIAS.
FINEST STRAIN IN THE WORLD.
Cyclamen Persicum Splendens (giganteum) in four assorted colors, fine plants from 3-inch pots, $8.00 per 100; $75.00 per 1000.
Chinese Primroses (fringed variety), best market varieties single, from flats, $2 00 per 100; from 2-in. pots, $2 50 per 100. Double white and red from 2½-in. pots, $4 00 per 100; single blue, same price.
Cineraria Hybrida Maxima grandiflora and nana, from flats $1 75 per 100. SATISFACTION GUARANTEED.
PAUL MADER, East Stroudsburg, Pa.

CARNATIONS FROM FIELD.
I have a few thousand clean, healthy plants to offer of the following varieties:
Flora Hill, Alba Superba, Evelina, Victor, Hector, Wm. Scott, Minnie Cook and Pingree.
Write for prices. **Robt. Lockerbie,** Successor to Pennock Co.
HOLYOAK, DEL.

Umbrella Plants.
Fine, 3-inch.....@ 4 cents
BEGONIAS, 10 varieties, 2-inch..@ 2 cents
W. J. HEATH, Florist, JACKSON, MICH.

...CHINESE...
PRIMROSES!
Extra strong, ready for 3-in. pots; well known throughout the U. S. and Canada as the finest large flowering fringed varieties grown. SPECIAL PRICES: SINGLE and DOUBLE in choicest assortment of named colors, $2 per 100, $17 per 1000; 250 at 1000 rate. Extras added liberally to help pay expressage.
PRIMULA Obconica Grand. Rosea, clear pink, the finest of all Obconicas, extra, $3.00 per 100.
PRIMROSE SEED of best 13 varieties, single and double, mixed, 400 seeds, $1; half pkt., 50 cts.

....GIANT PANSY SEED....
The best of mmmmoth varieties; no finer ever offered; all the seed plants critically selected; Pkt., 3500 seeds, $1.00; half pkt., 50 cts A pkt. of new Forget-me-not "Jewel" added to every order for seeds.
STRICTLY CASH PRICES.
THE HOME OF PRIMROSES. **JOHN F. RUPP, SHIREMANSTOWN, PA.**

TRY SOMETHING NEW IN YOUR WINTER BLOOMING **ERICAS,** plants, all pot grown, set with bud, handled as easily as an azalea with similar treatment.

CASH PRICES FOR OCTOBER DELIVERY:

ERICA MELANTHERA	4-in.,	per 100,	$20.00;	per 1000,	$180.00
" PERSOLUTA ALBA	"	"	18.00;	"	150 00
" " ROSEA	"	"	18.00;	"	150.00
" REGERMINANS	"	"	18.00;	"	150.00
" CUPRESSIANA	"	"	18.00;	"	150.00

Larger sizes and other varieties at reasonable prices.

H. D. DARLINGTON, FLUSHING, LONG ISLAND, N. Y.

300 Rex Begonias,
in 4½-inch pots.

300 Umbrella Plants,
in 4½-inch pots.

150 English Ivy,
3 feet long.

250 Primulas,
from Vaughan's International mixture, in 3-inch pots, ready for 4-inch shift.

Come and take them away at $3.00 hundred.

JOHN C. MULDER,
7923-25-27 Wright Street, CHICAGO.

500 BOSTON FERNS.
Nice plants from bench ready for 6-in. pots, $3.00 per dozen.
VIOLETS, MARIE LOUISE,
field-grown, $3.50 per 100.
J. W. DAVIS, - Morrison, Ill.

FERNS AND ARALIAS
10,000 PIERIS, 2-in. pots, fine plants, in three varieties. Price, per 1000, $25.00.
500 ARALIA SIEBOLDI, 7-in. pots. Price, $40.00 per 100; $6.00 per doz.
ENGLISH IVY, 4 and 5-inch pots, $12 and $15.
L. KOROPP, - - Chicago, Ill.
Cor. Wellington and W. Ravenswood Park.

FOR SALE.
1000 strong 2-in. PRIMULAS.....per 100, $2.00
500 " 3-in. & 4-in. " " $6 & 8.00
Select strain; stocky, clean plants.
JAMES C. MURRAY,
401 Main St. PEORIA, ILL.

ACALYPHA SANDERI...
2½-inch plants.....$12.50 per 100
3-inch plants.....$18.00 per 100
RAMBLER ROSES. Yellow, White and Pink, strong 2 year plants, $10.00 per 100
The Conard & Jones Co., West Grove, Pa.

SMILAX. Strong one year old plants, 2½ and 3-inch pots. $2 50 per 100, $20 a 1000.
Choice New SMILAX SEED, 25c. per oz., $1 per lb.
PAEONIES for fall planting in choice assortment, $10 per 100.
CLEMATIS for fall. Write for prices.
F. A. BALLER, Bloomington, Ill.

HERR'S PANSIES
Good plants are an item, a good strain is a necessity. I offer you mine as good plants and the best strain in the market; any of my customers will tell you so.....
PLANTS ONLY.
Free by mail at 75c. per 100; 250 for $1.50; 500 for $2.50. By Express, $4 per 1000.
ALBERT M. HERR,
LANCASTER, PA.

Horticultural Building
....OF THE
OMAHA EXPOSITION
We have just purchased the entire contents of the Omaha Exposition which includes all the **plants** in the Horticultural Building. If you are interested, write for particulars. We also have large quantities of lumber and material of all kinds. Write for catalogue No. 100. *Address*
CHICAGO HOUSE WRECKING CO.,
OMAHA, NEB. or CHICAGO, ILL.

.....PALMS CHEAP.....
150 Latania Borbonica, 5 in., 5 to 6 leaves, 18 in. high.....$0.30 each
15 Latania Borbonica, 7 to 8 in., 7 to 8 leaves..... 1.50 "
25 Kentia Belmoreana, 5 in., 6 to 7 leaves, 20 to 24 in. high..... .80 "
300 Mums, leading varieties, 4 and 5 in., fine plants.....15 and 20 cts. "
Measurement of palms from top of jar and all this stock is surplus and extra fine.
G. VAN BOCHOVE & BRO., : Kalamazoo, Mich.

PANSIES. Plants of the famous Diamond Strain of large-flowered Pansies, the best for florists' use. They are of most perfect form and greatest variety of rich and rare colors. Over 50 distinct sorts and an endless variety of shades and markings. Fine field-grown, well rooted plants, all colors mixed, 60 cts. per 100 by mail, postpaid; by express, $4.00 per 1000. Seed, mixed colors, $1.00 per ⅛ oz.; $5.50 per oz. Cash with order.
PANSIES A SPECIALTY FOR 25 YEARS.
L. W. GOODELL,
PANSY PARK. Dwight, Mass.

BROWALLIA GIGANTEA.
Fine plants to grow on for your Xmas trade.
Rooted cuttings.....$2.00 per 100
Out of 2½-inch pots, bushy..... 4.00 "
Out of 3½-inch pots, bushy..... 6 00 "
Samples for 10 cts. in stamps.
HENRY EICHHOLZ, Waynesboro, Pa.



BOSTON FERNS.

THE true stock. Full and compact plants, not over-drawn. We can ship reasonable distances by freight. Order now for your Fall Sales.

Strong plants from 2 -in. pots		per 100, $4.00;	per 1000, $35.00
" " " 2½ "		" 6.00;	" 50.00
" " " 3 "		" 10.00;	" 85.00
" " " 4 "		" 25.00;	" 200.00
" " " 5 "		per doz., 5.00;	per 100, 40.00
" " " 6-in. pans		" 6.00;	" 50.00
Fine Specimen Plants	7 "	" 9.00;	" 70.00
" " "	8 "	" 12.00;	" 90.00
" " "	9 "	18.00	
" " "	10 "	each, 2.00.	
" " "	12 "	" 3.00 to 5.00.	

Our large stock of **PALMS, ARAUCARIAS, ETC.** are also in the best possible condition. If you are in the market for Palms, write us for our Special Price List, now ready.

BAY TREES, in extra fine condition. All sizes. Write for prices.

POINSETTIAS. Just the stock for Xmas flowering. Strong, stocky plants in 3-in. pots—per 100, $6.00; 4-in. pots,—per 100, $10.00.

14 Barclay Street, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 Randolph St., CHICAGO.

Greenhouses: WESTERN SPRINGS, ILL.

Please mention American Florist when writing.

A NEW DECORATIVE PLANT.

Cryptomeria Japonica. Japan Cedar.

A dainty jardiniere evergreen often mistaken at first sight for Araucaria excelsa; as handsome as the latter. BUT not so stiff and formal; much better adapted to the trying atmosphere of living rooms, much more easily grown and ten times cheaper. **4-inch pots, $15 per 100; 2½-inch pots, $9 per 100** 25 2½-in. for $2.50 postpaid.

ASPARAGUS SPRENGERII, 4-inch pots, $9 per 100. 2½-inch, $5 per 100.

Jackson & Perkins Co., Newark, Yew York.

BABY PRIMROSE,

12 for $1.50, $10.00 per 100 by mail.

ASPARAGUS SPRENGERI,
25 for $1.50 by mail, $4 per 100, express.

ACALYPHA SANDERI,
12 for $3, 100 for $25 by express.

SWEET-SCENTED CALLA,
12 for $1, 100 for $6 by mail.

New YELLOW CALLA Lemon Giant,
Large bulbs, many eyes, $7.50 for 12.

BEGONIAS, Tuberous, $2.50 per 100.

A. BLANC & CO.,
PHILADELPHIA.

BEGONIAS

Assorted varieties from 2-in. pots.

$2.00 per 100.

EXTRA STRONG.

GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**

CASH, PLEASE.

Edward B. Jackson,
STAMFORD, CONN.

Wanted...

A few hundred **PÆONY ROOTS** this fall—pink and white. Address

C. O. Williams, 99 Water St., Batavia, Kane Co., Ill.

15,000 Latania Borbonica.

Fine plants of exceptional value, viz.:

	Per 100	Per 1000
2 character leaves, 12-15 inch	$15.00	$125.00
2-3 " " 4-in. pots, 15-18 in.	20.00	150.00
4-5 " " 5-in. pots, 18-20 in.	25 00	
5-6 " " 5-6 in. pots, 18-20 in.	40 00	

CALADIUMS....

Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...

The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.

12-15 inch.....$12 00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS.
350 ACRES IN NURSERY STOCK.

Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries, AUGUSTA, GA.

PALMS FOR STOREKEEPERS

Do you want nice low stocky plants, such that don't get yellow for you or your customers? We will send such stuff as we showed at the convention.

		Per Doz.	Per 100
Latania Borbonica.	3-in. pots	$1.50	$11.00
	4 "	3.00	22.00
	5 "	4.00	31.00
	5½ "	5.00	38.00
	6 "	9.00	88 00
	7 "		96.00
	8 "	22 00	175.00
Kentia Belmoreana or Forsteriana	5 "	9-12	72-96
	5½ "	12-15	96-120
	6 "	18-24	145-175
	7 "	30-48	250.00
Sword Ferns	4 "	1.25	9.00
Bostoniensis	5 "	2 10	18 00
Umbrella Plants, extra fine	4 "	1.00	7.00
	5 "	1.75	13.00
Rubber Trees	5 "	5.50	43 00
	6 "	9 10	70.00
" " branched		$1.50-$3 00	apiece

Areca Lutescens, Cycas Revoluta, Pandanus Utilis and Veitchii, etc. We carry a clean, cool-grown stock of over 150,000; we sell for cash only; we allow inspection at express office; have hundreds of letters of thanks for prompt and excellent service. Order now and pay only freight.

ALBERT FUCHS, Estab. 1884. Only western florist who took medal on Palms, World's Fair, 1893.
2059-73 N. Halsted St., CHICAGO.

DRACÆNA INDIVISA.

100 4-inch plants, cheap.

SMILAX, strong plants, 2½-in. $2 per 100

Carnation Plants.

GENESEE	$8.00 per 100
FLORA HILL	6 00 "
DAYBREAK	4.00 "
TIDAL WAVE	3 00 "
PORTIA	3 00 "
SILVER SPRAY	3.00 "

GEORGE SOUSTER, Elgin, Ill.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for . . . 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.
Mention American Florist

ADIANTUM CUNEATUM.

SELECT STOCK,

3-inch pots.....$6 per 100, $55 per 1000

M. A. HUNT FLORAL CO.,
P. O. Box 235. TERRE HAUTE, IND.

Smilax.

Fine plants out of 2-inch pots, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,
The Exotic Nurseries. DAYTON, OHIO.
CASH WITH ORDER.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. **THE AMERICAN FLORIST.**

Pittsburg.

TRADE SHOWS THE IMPETUS OF SEPTEMBER.—A TEMPORARY REMOVAL.—KASTING IN TOWN.

Business is picking up and there is a slight improvement in stock. Roses sell at from $1.50 to $2 per doz.; carnations at from 35 cents to 50 cents per dozen; asters, from 50 cents to $1 50. Lily of the valley has been rather poor this week but sells at $1 per dozen.

Randolph & McClements have removed to 135 S. Highland avenue while they are remodeling and enlarging their store room, which will be finished with latest improvements. They are also adding a new story to their packing and potting department.

W. F. Kasting arrived in town Saturday. He is still wondering how it came to pass that the Buffalo bowlers only came in third at Detroit.

Robert Harrison, assistant superintendent of Schenley Park is off on his vacation. G. O.

South Manchester, Conn.

The exhibition held here by the Connecticut Horticultural Society on September 7 and 8 was the first ever given by this society outside of Hartford, and the display of flowers is said to have been the best they have made. Of dahlias over 3,000 blooms were shown and a talk on their cultivation was given by Rev. W. T. Hutchins. Lothrop & Higgins, H. F. Burt, C. M. Rogers, W. A. Power and Jos. Albison were the largest contributors of dahlias, T. J. McRonald, greenhouse plants, M. Wakeman, gardener to F. R. Cooley, ferns, and John Lewis Childs, gladioli.

PRIMROSE

Per 100.

CHINESE PRIMROSES, ready for 3-in. pots...$2.00
OBCONICA Grandiflora, " " " " ... 2.00
" " Rosea " " " " ... 2.50
FORBESII, " " " " ... 3.00
ASPARAGUS SPRENGERII, 2½-in. pots..... 4.00
CARNATIONS, field grown 4.00
PANSY PLANTS.....$2.50 per 1000; .50

CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

CHEAP FOR CASH

ALL IN FINE CONDITION. Per 100

PTERIS TREMULA, 2¼-inch pots.....$3 00
PTERIS SERRULATA, 2¼-inch pots..... 3 00
PTERIS CRETICA, 2¼ inch pots 3 00
CUPEA ELATERIA OLIUS 2¼-inch.... 3 00
DRACÆNA INDIVISA, 3-inch pots..... 3.00

WM. SCHLATTER & SON,
437 Bay Street, SPRINGFIELD, MASS.

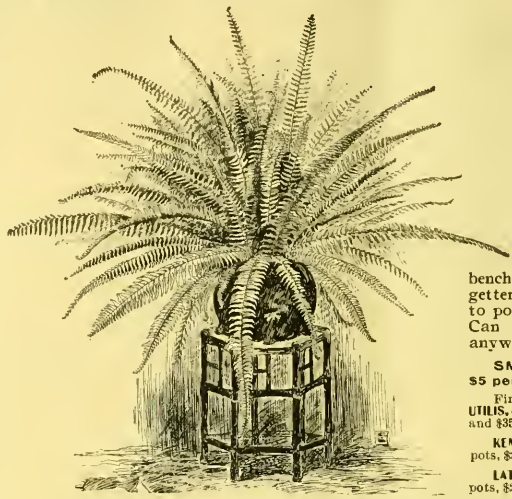
Azaleas, Bay Trees, Palms, Araucarias,

stock enormous, quality the finest.

SANDER, Bruges, Belgium.
AGENT: A. DIMMOCK,
60 Vesey Street, - - - NEW YORK.

ASPARAGUS Sprengerii.....2¼-in., $5.00 per 100
Asparagus Plumosus, 2¼-in. 5.00 "
NEPHROLEPIS Cordata Compacta, 2¼ in., fine..... 5 00 "
Nephrolepis Bostoniensis, 2¼-in. . 5.00 "
GERANIUMS, S. A. Nutt, etc., 2¼-in.. 2.50 "
SMALL FERNS, for dishes, " 4.00 "
ACALYPHA SANDERI, 4-in., 25c., $2.50 per doz.; 6-in., 75c.; $8 per doz. Cash please.
CARL HAGENBURGER, W. Mentor, O.

THE BOSTON FERN!



Elegant Specimen Plants

of this beautiful decorative fern for 7, 8 and 10-inch pots, spread 4 to 6 feet, at 50c., 75c. and $1.00 each, and smaller ones at 20c. and 25c. each for 5 and 6-in. pots. Cut from bench. No better money getter. Send orders now to pot up for fall sales. Can be safely shipped anywhere in the U. S.

SMALL PLANTS, $5 per 100..$40 per 1000.

Fine stock of PANDANUS UTILIS, 4½ and 5-in. pots, @ $25 and $35 per 100.

KENTIA BELMOREANA, 4-in. pots, $25 per 100.

LATANIA BORBONICA, 4-in. pots, $25 per 100.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Cyclamen Giganteum

IN.... VARIETY.

FINE PLANTS in
2½-in. pots.....$4.00 per 100
3 " 8.00 "

EDWIN LONSDALE,

Money order office, Chestnut Hill (Sta. H.) Philadelphia, Pa.

Wyndmoor, Chestnut Hill, PHILA.

PLANTS. ..PANSIES.. SEEDS.

....THE JENNINGS STRAIN....
Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100 by express, $4.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.

CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

Orchids!

JUST ARRIVED IN FINE CONDITION, a fresh shipment of *Cattleya labiata* and *C. Speciosissima*, also a limited quantity of *C. Gaskelliana*. Cherry Wood Baskets, Fresh Moss and Peat.....

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25 000 growing; come and see them. Palms and Decorative Plants in Quantity, all sizes and prices. New price list will be ready Sept. 15th.

Anton Schultheis, P. O. Box 78, College Point, New York City

Tell your wants in the American Florist.

PRIMROSES AND PANSY PLANTS.

Per 100 Per 1000

44,000 Primulas, Alba, Rubra and Mixed, 2¼-inch.....$2.00 $18.00
14,000 Primulas, Obconica and Japonica alba, 2¼-inch..... 2.00 18 00
4,000 New Yellow Baby Primrose, 2¼-inch 10.00 90.00
24,000 Pansy Plants, large flowering (large)..... 5.00
14,000 Petunias, Double and Fringed, mixed, 22 varieties, 2¼-inch..... 3.00 25.00
1,000 New Geranium De Roo Mitting..... Per Doz. $1.20
200 Asparagus Plumosus, 6-inch..... 3.00
1,000 Lycopodium Dent, 2½-in. 2.00
1,000 Pelargonium The Queen, 2¼-inch..... 3.00
1,000 True Maidenhair Fern, 2½-inch..... 5.00

THE MORRIS FLORAL CO.
MORRIS, ILL.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

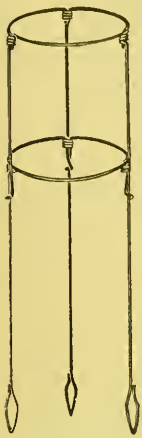
PARSLEY, strong plants 35c per 100; $2.50 per 1000; if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr & SON, White Marsh, Md.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER,
Brooklyn, N. Y.,
Dear Sir:—Your Model Carnation support is all right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

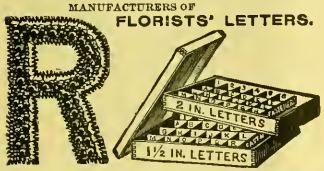
FLATBUSH, BROOKLYN, N. Y.
Feb. 18, '97.
MR THERON PARKER.
Dear Sir:—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLEDOUZE BROS.

W. BOBOKEN, N. J.,
Feb 18, '97.
MR. THERON PARKER,
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing you every success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes
AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

Boston Florist Letter Co.
MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x1½ made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2-inch size, per 100, $5.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

"NICOMITE"!
(PATENT.)
Vapor Insecticide.
NO LABOR REQUIRED. HARMLESS TO BLOOM AND FOLIAGE.
A Certain Killer of RED SPIDER, GREENFLY and Other Insect Pests.
THE TOBACCO WAREHOUSING AND TRADING CO.,
Sold by Seedsmen. LOUISVILLE, KY.

SHEEP MANURE Thoroughly pulverized and ready for immediate application. ☞ Special prices to Florists and Seedsmen in lots of 20 tons and up.
Testimonials from Agricultural Department University of California. Send for sample.
GEO. C. ROEDING, Prop.
FRESNO FERTILIZER WORKS, FRESNO, CAL.

"MESSRS. H. BAYERSDORFER & CO.,
Gentlemen: Please send us a list of Florists' Supplies, marking such goods in the list as you regard as especially desirable in stocking up a first-class florists' establishment, such as you know we propose to conduct here. We have been advised to apply to you in this way and shall rely largely on your advice.
Respectfully Yours, — — ——"

TO DEVELOP THE PUBLIC PATRONAGE
offer the goods of the season, as is done in all other lines of fine retail trade.
We can supply you wisely, for by long experience we know what stock to carry and where to get it at best figures. We also manufacture largely of special goods that you can get nowhere else.
Now is the time to select your Baskets, Vases, Ferneries, Lace Handkerchiefs, Birds, Grasses, Dried and Artificial Flowers and all the knick-nacks of a complete Florists' Outfit.
H. BAYERSDORFER & CO., 50-52-54-56 NO. FOURTH ST., **Phila., Pa.**

ATTENTION IS NOW ASKED TO
Long's FLORAL DESIGNED AND UP-TO-DATE STATIONERY
LETTER AND BILL HEADS, ANNOUNCEMENTS, FOLDERS, BOOKLETS, BLANKS, Etc.
DISTINCTIVE AND ADAPTABLE. 20 Samples for 10 cts. in stamps.
DAN'L B. LONG, Publisher, Buffalo, N. Y.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC. TO N. STEFFENS. AND STEFFENS BROS.
MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

M. RICE & CO.,
EXCLUSIVE IMPORTERS AND MANUFACTURERS OF..... **Florists' Supplies.**
New Illustrated Catalogue Free for the Asking. 918 Filbert St., PHILADELPHIA.

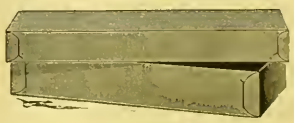
CAPE FLOWERS. FRESH CROP. THEY ARE VERY GOOD; per pound, $1.00.
CYCAS LEAVES. OURS RIVAL THE BEST IN THE MARKET. 16-20 in. $1.40; 21-24 in. $1.70; 25-28 in. $2.00; 29-30 in. $2.30; 33-36 in. $2.65; 37-40 in. $3.00; 41-44 in. $4.00; in packages of ten leaves.
Imported Metal Designs, just received latest, attractive styles, from 35c upwards. Write for catalogue.
AUGUST RÖLKER & SONS, 52 DEY STREET, NEW YORK.

TOBACCO DUST BY CAR LOADS, ETC.
Now is your time, while I have a surplus, to get your supply, to the trade only, at $12 per ton in car lots of 12 tons; 2000 lbs, $14; $7.50 for 1000 lbs.; $4 for 500 lbs.; $1 per 100 lbs. Mixed Dwarf CANNA BULBS, ready this fall, $7 per M. The above prices are for cash only...
M. T. THOMPSON, RIO VISTA, VA.

A. HERRMANN
Manufacturer of **Florists' Supplies**
Send for a price list.
404-406-408-410-412 E. 34th St., NEW YORK

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,
DAYTON, OHIO.

Washington, D. C.

Wm. F. Gude, of A. Gude & Bro., and Wm. R. Smith of the U. S. Botanical Gardens, both ex-presidents of the S. A. F., returned from Europe September 12. They spent some time at Skibo Castle in the Scotch highlands, as the guest of Andrew Carnegie, and were royally entertained. They traveled through other portions of Scotland and visited numerous large estates, also the Botanical Gardens at Glasgow and Edinburg.

August made a record for hail storms in the District of Columbia. A. Gude & Bro., at Anacostia, were the heaviest losers, a new house with 6,000 feet of glass being wrecked.

Trade has been very good, long stemmed loosely arranged cut flowers being most in demand. P.

MILLBURY, MASS.—Wm. Darling has disposed of his greenhouses to W. F. Dalancher.

READING, MASS,—The Amateur Gardeners' Society held its third annual exhibition at Masonic Hall on September 12.

SCARSDALE, N. Y.—Nathan Brewer, formerly gardener to J. D. Archibold, Tarrytown, is now employed in a similar capacity by Mrs. Obry. Mr. Brewer was formerly secretary of the Tarrytown Horticultural Society but resigned upon his removal and was succeeded by E. W. Newbrand, who is with the F. R. Pierson Co.

SMITH & SMITH
Brokers IN
REAL ESTATE,
PIPE, BOILERS, GLASS,
FITTINGS, ETC.
Obtain our prices before placing your orders. We have some excellent bargains in greenhouse establishments.....
337 6th Ave. P.O. Box 869. Pittsburg, Pa.

NIKOTEEN
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE
DOES NOT INJURE THE MOST SENSITIVE PLANTS- ENDORSED BY PROMINENT FLORISTS- USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT- 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ----CIRCULAR FREE-
SKABCURA DIP CO. CHICAGO.
Kill AND SAVE the THE BLOOMS Bugs!
QUICKLY DOES IT.


CYCLONE SPRAY PUMP
THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all nickelled copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.
STEVENS & CO., 107 Chambers St., N. Y. City

THE KINNEY PUMP.
For applying liquid manure it has no equal. Sent prepaid for $2.50. Without spraying valve, $2.00.
The Hose Connection Co, Kingston, R. I.

Simplicity in Greenhouse Construction.
During our long experience we have not only made many improvements in greenhouses, but we have so simplified the construction that building a greenhouse is no longer a matter so full of complications as to tax the patience and the ingenuity of even the most intelligent mechanic. Our
Clear Cypress Building Material
is worked out in the best manner ready to be put up, and we furnish our customers such complete detail drawings that any workman of only ordinary capabilities can put it up correctly.
Write for Circulars or Estimates.
Lockland Lumber Co.
LOCKLAND, OHIO.

USE **GEO. M. GARLAND'S**
CAST IRON GUTTER
AND PROFIT BY THE EXPERIENCE OF OTHERS.
51 Wabash Ave., - CHICAGO.

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
J. G. SWAHN'S SONS, P. O. Box 78, MINNEAPOLIS, MINN.

Standard FLOWER Pots
If your greenhouses are within 500 miles of the Capitol, write us; we can save you money
W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D C.
Mention the American Florist.

Standard Pots Made by
Good Railroad Facilities For shipping.
Special Attention Given to Mail Orders, and Special Sizes Made to Order.
KELLER BROS.
NORRISTOWN, PA.
Price Lists Furnished on Application.


GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street near Wrightwood Ave.,
CHICAGO, ILL.

STANDARD FLOWER POTS

FIRST QUALITY.			CREAM COLOR.		
1¾ in., per 1000		$2 40	3½ in., per 1000,		$ 4 95
2 in., "		2 75	4 in., "		6 20
2½ in., "		3 35	5 in., "		10 80
3 in., "		4 70	6 in., "		16 50

Packages extra.
C. HENNECKE CO. MILWAUKEE, WIS.

Everybody is more pleased if you say "saw your ad. in the American Florist" when writing.



BRANCH WAREHOUSES:
Kearney and Westside Aves., Jersey City, N. J.
Jackson Av. & Pearson St., Long Island City, N. Y.

STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

	Price per crate			Price per crate
1500 2-in. pots in crate,	$4 88	120 7-in. pots in crate,		$4 20
1500 2¼ " "	5 25	60 8 " "		3.00
1500 2½ " "	6.00	48 9 " "		3.60
1000 3 " "	5 10	48 10 " "		4.80
800 3½ " "	5.80	24 11 " "		3.60
500 4 " "	4.50	24 12 " "		4.80
320 5 " "	4 51	12 14 " "		4.80
144 6 " "	3.16	6 16 " "		4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address
HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents
52 DEY STREET, NEW YORK CITY.

MASTICA
FOR GLAZING GREENHOUSES.
Proven superior to putty. Easier to apply and stays on. Not affected by extremes of weather. Endorsed by prominent florists. If not on sale by your dealer send for descriptive circular of **Mastica** and **Mastica Glazing Machines**, to
F. O. PIERCE CO., Sole Manufacturers, 170 Fulton St., New York.

THOSE RED POTS
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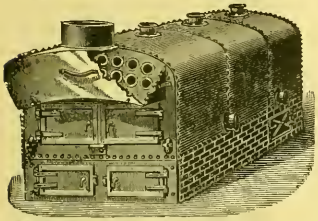
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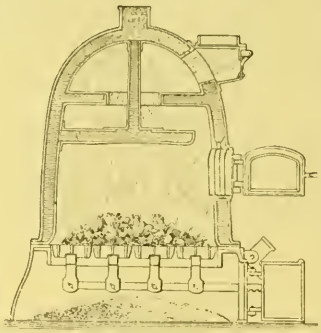
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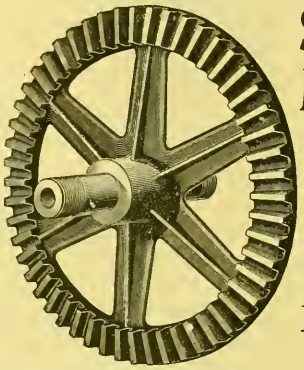
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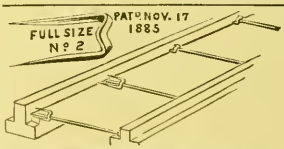
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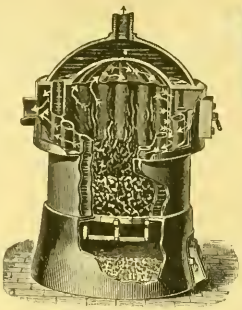
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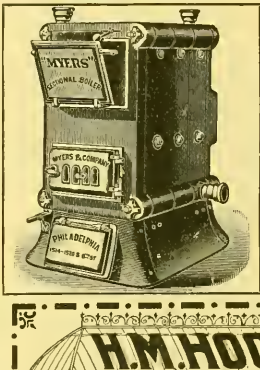
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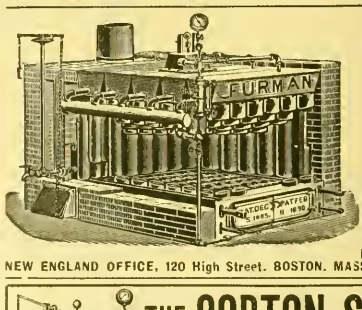
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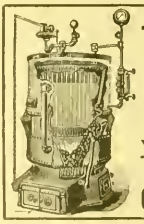
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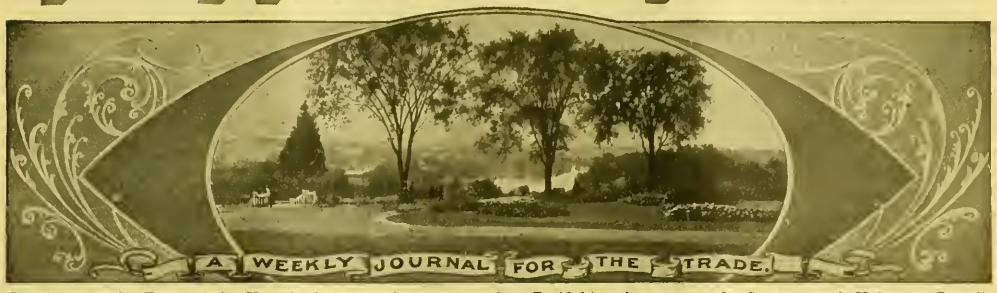
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Vol. XV. **CHICAGO AND NEW YORK, SEPTEMBER 23, 1899.** **No. 590.**

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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CANADIAN HORTICULTURISTS.

Second Annual Convention, Ottawa, Ont.

The second annual convention of the Canadian Horticultural Association was held in Goldsmith's Hall, Ottawa, Ont., September 18 to 21. At the opening session an address of welcome was delivered by Mayor Payment, which was responded to by Mr. McKenna, of Montreal. Alderman Black, chairman of the municipal reception committee,



JAMES M'KENNA.
President-elect Canadian Hort. Association.

addressed the meeting and extended an invitation to the members to participate in a drive around the city and to the experimental farm.

The address of the president, Wm. Gammage, of London, was read and accepted. The minutes of the previous meeting were adopted as read. The secretary reported that the membership had not decreased; no member had died. The treasurer reported the finances in a flourishing condition.

Messrs. W. Manton, of Davisville, and Jas. McKenna, of Montreal, were appointed judges of trade exhibits. A letter of regret was received from Prof. Frank L. Shutt, who was to have delivered a lecture on the uses of nitrogenous fertilizers. At the evening session a lecture was delivered by Prof. Fletcher, of the Ottawa Experimental Farm, on insect enemies in greenhouses and the best method of combating them. Much practical information was imparted and greatly appreciated.

A motion was made to amend Clause 6 of the constitution to limit membership in the society to persons in the trade but, on a vote being taken, was lost.

At the morning session on Wednesday Harry Dale read a very instructive paper on the construction of commercial greenhouses, which was greatly appreciated and provoked much discussion, many questions being asked and answered.

At 2 p. m. Wednesday the members, accompanied by Mayor Payment and Alderman Black, were taken in carriages for a pleasant drive through the principal thoroughfares to the experimental farm, where Prof. Fletcher and his assistants took charge of the party, conducting it through the horticultural department, after which a lunch was spread and the usual toasts drank, every person present being pronounced a jolly good fellow.

At the evening session the committee appointed to devise ways and means to institute a trade paper recommended the following: That public subscriptions for a guarantee fund to the amount of $400 be asked among the members of the association; that the paper be the official organ of the association; that the paper be called the Canadian Gardeners' and Florists' Exchange; that it be issued bi-weekly; that its size be about ten by twelve inches and four pages. The recommendation was adopted.

S. S. Bain, of Montreal, read a very interesting paper, "European Horticulture as Viewed by a Canadian." Much useful information was imparted. The paper on cemetery decoration by Jas. Kenna, of Montreal, resulted in a lively discussion and much practical benefit.

Montreal was chosen as the place of next meeting.

The election of officers resulted as follows: President, James McKenna, Montreal; vice-president, Harry Dale,

Brampton; vice-president for Quebec, J. Bennett, Montreal; secretary, A. H. Ewing, Berlin, Ont.; treasurer, J. H. Dunlop, Toronto; executive committee for three years, W. Wilshire, Montreal; C. Scrim, Ottawa; J. Graham, Ottawa; for two years, J. A. Simmers, Toronto. Messrs. Ewing and Dunlop were re-elected to their respective posts. A. G. S.

The President's Address.

GENTLEMEN:—It is a pleasure to again have the honor to address you as your presiding officer, an honor not soon to be forgotten since it is the second time you have placed confidence in me. The



JOHN H. DUNLOP.
Treasurer Canadian Horticultural Association.

assistance and support I have had from one and all has made my term a most pleasant one, and I thank you for your liberal and unanimous support. Young as this association is, its influence is already manifest, and we are pleased to note that it, too, has shared in the wave of prosperity that is spreading over our fair Dominion.

You will pardon me if I again impress upon you my sincere belief in the benefit we receive both individually and collectively from our conventions and our association. It may be a hobby, but the world has been moved forward little by little by men who have concentrated all their energies on one particular study, and we are pleased to say that we have with us all the most successful horticultural students and business men of the day.

The secretary and treasurer will give you full information of our membership, financial standing and other matters so that I will confine my remarks to the general work and objects of the association. The past season has been one of unusual activity, and we look with pride upon those with us who, since our last meeting, have placed upon the market new and worthy varieties of roses, carnations and other plants. A certificate from this society to worthy and meritorious introductions would be a curb to over-zealous and unscrupulous advertisers and a guarantee to purchasers that the article had been passed upon and indorsed by competent judges.

The words of welcome to which we have just listened cannot but enthuse and have a lasting and beneficial influence upon our discussions and deliberations at this meeting, and when we return to our homes and daily avocations it will be with the feeling that our time has been well and wisely spent, that the small sacrifices we made to attend this meeting have been amply repaid. The friendship formed, the pleasures participated in, the interchange of thought and ideas, the discussions of methods, the deliberations on more vital subjects will all bring us closer and more harmoniously together. Aside from the educational portion of our meetings the social has a large claim upon us, for by our natural exuberance of friendly feeling on such occasions we rub off the rough edges and forget our petty jealousies.

The whole floricultural world is before us, to be talked about and to be written about, for we are yet in the kindergarten of horticultural knowledge. The practical and interesting subjects will attract members to our meetings. Let our proceedings impress the public with the nobility and dignity of our profession, for our prosperity is largely in our own hands. If we do not educate the public we cannot expect to have the demand. It is by experience that we regulate the future. With these properous growing times in Canada, this wave of prosperity brings with it an increased demand for our productions. What were luxuries become necessities, and so it goes on. Year by year we increase our capacity, year by year we improve our quality, and yet, year by year do we not copy our neighbors? How many of us have the courage to carry out the conceptions of originality we form? The love of flowers is so well-nigh universal that every season the wonder grows that more originality is not displayed in choice and selection. There is a bright and prosperous future for those of us who will get out of the rut of conventionality.

Again, I would impress upon you the necessity of putting forth our united efforts to encourage exhibitions. They are a great factor in educating and bringing before the public the latest fashions in floral arrangements. Nor can I let this opportunity pass without urging upon you the great and growing need for a Canadian trade paper, and I hope when the discussion is brought up at this meeting you will see fit to devise a plan for operating such, no matter if it be only a small beginning. An exchange of Canadian news and an advertising medium is now a necessity.

During the year your executive decided to ask the government to readjust the tariff on certain articles of interest to the florist trade, and appointed a committee to wait upon the officials. While we were not successful in obtaining the desired changes, our efforts have not been fruitless, for a circular was issued at our suggestion enumerating and classifying florists' stock. All ports are now to use this in appraising consignments and thus eliminate delays and the annoyance of amending entries.

I do not propose to tire you with a long address. We have a lengthy programme, and it will be of more interest to you than anything I can offer, but again I wish to thank you for the support and assistance you have given me. It is two years since I took it upon myself to call a meeting with the object of organizing this association, and I assure you that the liberal response and hearty support you have given will ever remain fresh in my memory and be considered an obligation. It affords me pleasure to thank you to-day and to see that the seed so planted is growing vigorously. It is my earnest hope that it will thrive and grow into a powerful tree.

While in years to come it may be strong enough to branch, let us for the present concentrate all our energies to embrace all branches in one united body. I have all confidence in the future prosperity of this association and of the trade in general and the country at large. On every hand we see fields which are sure to develop, into which we may enter and, by striving with steadiness of application, social tact and the power of inspiring confidence in our tenacity of purpose, win unto ourselves high position in any walk of life.

Before concluding let me again draw your attention to our experimental farms and the opportunity there afforded to make the acquaintance of innumerable plants, trees and shrubs not met with in commercial places. They are there for our instruction as well as for that of the public, so take advantage of it when you can. It is necessary that both grower and retailer should be able to give practical instructions to their customers. Intelligent and correct information should always be given on the care of plants. We can assist the horticultural societies in their work, and in towns and villages where there are no park commissioners it is our duty to encourage and assist the committee in their efforts to beautify the parks.

I hope that full expression will be given on all topics that will arise at this meeting, and particularly on the proposed alterations to our constitution.

President-elect McKenna.

James McKenna, president-elect of the Canadian Horticultural Association, is the junior partner of the firm of P. McKenna & Son, Cote des Neiges, Montreal.



A. H. EWINO.
Secretary Canadian Horticultural Association.

Mr. McKenna was born at the above place in 1851 and entered as a partner in his father's business in the year 1872. He has always taken a lively interest in horticulture and has been associated in various ways with the promotion of floriculture in his native province, having



Nico. Habid. François Ortegal.

POPULAR VARIETIES OF THE PÆONIA.

served several years on the board of directors of the Montreal Horticultural Society and Fruit Growers' Association of the Province of Quebec.

Mr. McKenna was one of the organizers of the Montreal Gardeners' and Florists' Club, serving two years as president and ten years on the executive committee. For two years he was vice-president of the Society of American Florists for the Province of Quebec. Mr. McKenna is an ex-alderman of Cote des Neiges, having occupied a seat in the council for nine years. He is a widower and has a family of three daughters and four sons.

Herbaceous and Tree Paeonies.

Very few of us who are along in years but can well remember the old red pæony of our childhood. Pæonia officinalis rubra was probably brought by the earlier settlers from England and planted in nearly every country dooryard and garden. It is often seen now in the eastern states growing within a few feet of the houses and its first double, rich crimson flowers are as much of a delight to the youthful members of the family as they were centuries ago. Later on double white and other varieties were introduced, but it was not till within the memory of this generation that new varieties had increased by the score and hundred. The herbaceous pæony is a native of Asia, southern Europe and northwest America, while the tree pæony or shrubby species (Pæonia Mautan) comes mostly from China and Japan. The varieties of the herbaceous pæony have of late years been immensely multiplied and improved, till one European nurseryman catalogues about 800 varieties. We have now all shades of color, from the most intense violet purple to the purest white—from the size and shape of a half-opened Jacqueminot rose to that of an immense water lily some seven or eight inches in diameter. In many we have the most delicate and delighful perfume, while none are in any way disagreeable. We have single as well as double varieties and the season of blooming, from the earliest to the latest, extends over five or six weeks. The single varieties are just as hardy as the double, generally among the earliest and, although frail, are very beautiful in a cut state. They appear to be very popular just now and the demand for choice varieties is greater than the supply. Single ones will sometimes become double. One of the finest single whites (Bridesmaid) has been nearly double for the last two seasons.

Of the many enthusiastic cultivators of the pæony in France, Germany and England, perhaps no one did more to bring this valuable plant to the notice and appreciation of the public than the late James Kelway, of Langport, England. With his son, William, after collecting the best varieties obtainable, he commenced a regular system of hybridization and of raising new varieties from seeds. Many of these seedlings in beauty of form, sweetness of perfume and delicacy of coloring are close rivals of the rose, the orchid and the water lily. I do not remember anyone in the eastern states who, twenty-five years ago, had as fine a collection of pæonies as the late Charles M. Hovey, near Boston. Some of my varieties, obtained from him about that time, are fully equal in many respects to any of the new ones. Hon. Marshall P. Wilder, too, was a great lover of the pæony and some of his near friends can well remember of being presented by him with a choice bloom from his garden at Dorchester, Mass. A few years ago there lived another gentleman in Dorchester, very old, very eccentric and very retiring—the late John Richardson. Mr. Richardson told me that he had been an invalid during most of his life; that when a mere child—when other children were engaged in childish sports—he chose to be alone in his little garden, sowing seeds and watching them grow into plants. Whatever he raised of value during his long life I do not know, except that when nearly ninety he raised a lot of pæonies from seeds—from seeds of plants in his own garden—and the most remarkable thing about them is that they are all nearly alike in being very late, very vigorous and free flowering, double and firm in texture and generally of a soft pink or flesh color, though one, John Richardson, is of a very deep pink, one dark crimson red and one, Milton Hill, is flesh, suffused with blush and carmine. This last was awarded a first-class certificate by the Massachusetts Horticultural Society in 1891. Mr. Richardson bequeathed his pæonies to John C. Hovey, but as that gentleman died soon after, unfortunately many of these pæonies have never been propagated to any extent or offered to the public. Five of the varieties have, however, been propagated and they are so vigorous and multiply so rapidly that they will soon become common and be very popular as late varieties, both in this country and Europe.

No plant is more easily propagated than the pæony. By dividing the roots in autumn, every fragment bearing a bud will live and even the pieces of roots with no eyes upon them, if planted out by themselves or dumped into a pile of soil, will generally show tops the second year. Hence, to avoid mixture, it is important not to plant immediately upon land from which pæonies were just dug, for the pieces of roots left in the ground are likely to spring up the second year and cause a confusion of names. We generally plant the very small pieces of roots by themselves, as they do not require so deep a trench as the larger plants. They will grow on land which is high or low, wet or dry, but for nursery purposes we have found a good, dry, upland loam the best—made rich the year before with manure. Peat muck applied three or four inches deep to good upland loam, with a mixture of potash and fine bone, would be my ideal land for small roots of choice pæonies. We plant them pretty close, say six to eight inches apart, in rows eighteen inches asunder. More space would be better for large plants, but to propagate choice varieties rapidly I would prefer well prepared dry land, very small roots, close planting and a division of the roots every second or third year at the most. I should also prefer to do all my dividing and planting early in the fall, say from September 15 to the middle of October, so that a new set of roots may be formed before winter. The pæony in its nature is much like the hyacinth and lily and should be well established before winter in order to give the best results. And yet many intelligent nurserymen and florists recommend planting them in the spring, but it is a bad practice and should be discouraged. They should be planted deep enough to permit of the top bud being covered to a depth of two or three inches after the soil has

settled. Although the pæony will apparently do well in a thin soil, with no cultivation, it is better every way to have the soil worked to a good depth, either by plowing two or three furrows deep or, for permanent planting, by trenching the soil to a depth of two feet or more, to secure prize flowers. Some of the rare varieties which I bought from the estate of the late John Hovey in Cambridge, Mass., had roots two or three feet long,



PÆONIA JANUS.

as large as a man's arm, which shows the nature of the plant when it has its opportunity; but in sending away plants we never send such roots as these. In shipping plants either by express or freight we generally cut the roots pretty close, considering those very long ones superfluous. In planting roots in nursery rows we use a very long, narrow spade to make the drills, setting the plants in an upright position, then fill in the fine soil carefully and press firmly and we have never lost one in a thousand planted in this way. Although the pæony is perfectly hardy anywhere in the United States or Canada, still we think it better, on beds recently planted, to give a light covering on the approach of winter, either of evergreen boughs, coarse hay or litter; but care should be taken not to cover with hay full of ripe seed, as we should regret it the next year in weeding time.

Raising pæonies from seeds is the easiest thing imaginable. Gather the seeds from day to day as fast as they ripen, keep from drying and plant in open ground or, better, in a frame in the fall; cover well with evergreen boughs or any coarse material; be sure there are no field mice near the beds and you will be surprised to see how regular and even they will come up in the spring. Some keep the seeds in a closed vessel (covered in the ground) over winter and plant in the spring. I can see no difficulty in planting in the fall just before winter sets in, but care should be taken not to let the seeds get too dry before planting. The little plants should be set out the following autumn into nicely prepared dry ground and many will flower the third year. The seeds from very choice varieties would likely produce something extra and many new kinds of merit will thus be obtained; but where "every crow considers its own children the whitest" there is danger of being too enthusiastic over one's own seedlings. Before naming and sending them out, better wait and see if they possess decided merit over others of the same season and color.

There appears to be a little confusion in regard to names, especially among European growers, several varieties sometimes coming under the same name; then the description of color will not hold true always, as those classed as white may prove flesh or rose and the singles may be semi-double. This should receive careful attention from growers, for it is important that so valuable a flower as the pæony should have a correct nomenclature. Growers are often careless, too, in regard to mixtures. In a thousand double white ordered three years ago from a prominent Holland grower, 200 at least were a mixture of everything. It is almost impossible in a large collection to prevent mixtures, although we go over our plants carefully every year when in bloom to mark every one not true to name, still mixtures will creep in.

In regard to the tree pæony for our latitude, the general impression appears to be that it is too tender and difficult to grow and that the cultivator of these is liable to disappointment. They are very particular in regard to soil and situation. With me they do best in a very warm, dry location, in a soil made deep and rich by cultivation. The old Banksii is perhaps as satisfactory as any and will sometimes surprise and delight the grower with the beauty and profuseness of its flowers The new Japanese varieties when in bloom are magnificent, but they are frail and last only a few days. They are generally propagated by grafting, but when on their own roots can easily be divided in the fall, and should always be protected in winter.

Why such a flower as the pæony should be so generally neglected is beyond my comprehension. To see the amount of money bestowed upon roses, chrysanthemums and orchids, the cost of growing these luxuries, the enemies and diseases which beset them on every hand, and then compare them with the pæony, which grows as easily as grass, never winter kills, has no disease, never dies of old age—a truly plebeian flower, growing and flowering as well in the dooryard of the poor man as in the garden of the rich, and once planted always there, "a delight and a joy forever."

But its day is dawning; inquiries are coming in from all over the country. Park commissioners, cemetery superintendents, seedsmen and florists generally are apparently waking up to the importance of this grand old flower, and it is in the hope of aiding such in giving information as to its culture, habits and possibilities that I write this article, trusting that abler hands than mine will continue the discussion of the plant till the pæony is placed where it belongs—among the foremost flowers in the land.

Some of the best modern pæonies are shown in the accompanying illustrations. Janus is a single-flowered variety of light purple color; Festiva Maxima, pure white with carmine stripes in center; Nico, purplish cherry; Habid, deep pink; Francois Ortegal, purplish crimson.

T. C. THURLOW.

ALBANY, N. Y.—Goldring Bros. made a highly creditable display at the annual fair of the Albany County Agricultural Society at Altamont last week.

ROSES.

CULTURAL NOTES.

The unsettled condition of the weather during the month of September is a constant menace to the welfare of the rose. Extremely cool nights, in some sections even dropping to the freezing point, followed by tropical temperature during the day, are anything but helpful in keeping the plants in the best condition preparatory for their winter's work.

Fortunate indeed is the man who is able to step into his boiler room in the evening, turn a valve, strike a match and let the fire burn. After watching the boiler for about a half hour, until the steam or hot water, whichever it may be, begins to circulate, he regulates his valve and then may retire for the night and not dream about the coal dealers. Such are the blessings of natural gas.

What a pity that all hard-working florists cannot have the advantages of its use! Fire heat is very necessary during this changeable weather. Too often it happens that we are caught unawares. The cool nights come on before the boilers are ready for firing The penalty for such negligence is sure to follow in the shape of black spot, mildew and kindred diseases. A word to the wise is sufficient. If your heating apparatus is not in working order, do not delay a single day.

Plants that have been staked some time ago will need some attention. New shoots are reaching out in all directions; keep right after them, tying them into shape. A mulch may now be applied to the rose benches. We usually pass the fertilizer through a 1-inch screen, and then spread it evenly on the beuches to the depth of one inch. This mulch should be stirred about once every week without fail, for by so doing you keep both the manure and soil fresh and pure and



PÆONIA FESTIVA MAXIMA.

this means much towards the welfare of your stock.

Do not be in a hurry about cutting flowers for the market. It seems like the same old story over again every year. It is natural for roses that were planted in June to be in with a full crop of buds in September, but at that time the market is very unsteady, with prices averaging

low. Our practice has been to disbud one-half to two-thirds of the shoots, leaving only those on strong, stiff stems. By so doing we save the plants and get the best part of the crop later in the season when the market is in better shape to receive it.

The question is often asked, "What is the proper time to nip off the buds?" Some nip them off as soon as they can be seen; others wait until they show color, but neither course do we deem correct. It is best to wait until the buds are the size of a pea, and then nip off the shoot just below the top leaflet. B.

ROSES MAKING POOR GROWTH.

En Am. Florist:—My Bride and Bridesmaid roses, which were set in the benches about May 15, seem to be in perfect health and making good growth, but the foliage is very small. The canes do not seem to come as large as I have seen and the leaves are not of the heavy, leathery kind we aim for. They are planted in about five inches of compost—a box of which I mail—and have been carefully attended to as to watering and spraying. The weather has been unusually hot for the past three weeks, 95° to 98° every day outside and about 110° inside the house, with everything wide open. Can you suggest the cause and a remedy for my trouble? State also whether the compost is good. F. P. D.

Alabama.

My impression is that the soil is not rich enough in humus. I would advise putting a mulching of good manure, say about one-half to three-quarters of an inch thick, over the surface of the beds. The ammonia from this will be washed into the soil as frequently as the plants are watered. This mulch will answer for five or six weeks when a new one can be put on; by that time I think it likely, with the cooler nights and the additional stimulant, that the plants will begin to make much stronger growth. The very hot weather described has, of course, been somewhat detrimental to strong growth, but I think that most of the trouble lies in the soil. John N. May.

Notes on Violet Culture.

This was an unusually dry summer and the violets in the field did not grow as vigorously as they generally do, or, to be more correct, the plants did not make as many runners as they would have done in a more favorable season. We went over our patch once in July and once in August, taking every runner off. The plants have three to four well developed crowns, the leaves are well ripened and now is the time to take them up and plant them in the beds already prepared. Of course everyone has his own formula for doing this.

For our part we like a good, stiff loam, mixed with well-rotted stable manure, the bed well firmed before planting. We set our plants eight inches apart in the rows, which are ten inches apart, keeping the crowns well above ground. As soon as a bed is finished we give it a good soaking. When the plants show that they have commenced to get hold of the soil we commence feeding with manure water, for I think the richness of the color depends a great deal upon the abundance of proper food.

We leave the glass off until the temperature goes quite low and after the sash are put in position we leave the ventilators open day and night until there is danger of freezing. Violets like a changeable temperature better than a stationary one and often during the winter the temperature is down to 33° and 34° early in the morning. Chautauqua.



A BAYERSDORFER EXHIBIT.

A Bayersdorfer Exhibit.

The scene illustrated herewith as "A Bayersdorfer Exhibit" is one which is not seen as frequently as it should in connection with our commercial establishments. A good display at the horticultural exhibition or an S. A. F. convention is creditable and almost indispensable to an enterprising house, but the firm that neglects to recognize its employes to the extent of an occasional good time fails to make the best of its opportunities. Who will doubt that the happy party above depicted will work all the more faithfully on the morrow after the day's pleasure provided for them by their employers?

CARNATIONS.

PREPARATION OF NEXT YEAR'S FIELD.

To get the best results in growing carnations in the field the preparation of the soil for next year should be begun now, but the treatment, like many other points in carnation culture, is largely a matter of soil and locality.

If possible select a piece of ground that has been in sod at least one season and apply a liberal dressing of clean stable manure, from one to 300 tons per acre according to the natural fertility of the soil and the quality of the material used.

Plow the field immediately after dressing it and sow either rye or oats on the plot. This gives a good covering over winter and, plowed under in the spring, adds to the fertility of the land. It also helps to put the fertilizer in the soil in such shape that it can be used to advantage by carnations.

Some of our Lancaster county farmers grow tobacco on the same ground for a number of years and tobacco is acknowledged to be very wearing on the land. They employ the treatment just recommended and where the carnation grower has only a limited acreage this method will give the best results; the sowing of rye or oats supplies a succession of crops to a certain extent.

Even with this care it is acknowledged that five years is about as long as the same crop can be grown continuously with any measure of success and that it is then absolutely necessary to put the land to some good grass, in this section clover being given preference. This is not cut but allowed to stay on the field and then in the fall the land is heavily manured and plowed. This puts the field in condition for another five years of carnation culture.

Wherever it is possible it is the better plan to select a new piece of ground each season. With some soils it might be best to omit the sowing of rye or oats and simply plow in the fall and let the field lie exposed to the action of the frosts and weather during the winter so as to break and loosen the soil. This plan is preferable if there are carnation pests in the field, especially cut worms, as they can be frozen out by leaving the plowing until it actually begins to freeze; they will be in a partly dormant state and when turned up will be killed by the frost.

Albert M. Herr.

AMERICAN VARIETIES IN ENGLAND.

Writing of carnations W. J. Godfrey says, in the *Gardeners' Chronicle*:

Flora Hill, of American origin, is a large, handsome bloom when well grown and is very free flowering. The plant is of good constitution, but it will not succeed under indifferent treatment.

I consider the following not anything like so well known as they should be. They are all Americans and after several years' trial have proved first-class. Triumph is a deep, rich rose-pink, quite distinct from any English variety, of large size and good substance. Victor is a lively pink, many shades lighter than the preceding. It is really a sport from the popular American variety, Daybreak, and, like its parent, is a good grower. This variety should be more popular than it is. Bridesmaid is also well worth growing. In the yellow varieties progress is slow, but improvements are being made. America has sent us over many, but none seem to be good. They either produce poor blooms or are shy bloomers and indifferent growers. Still, I think that before long really good yellow carnations will be obtainable throughout the winter.

Watsonia Ardernei.

This splendid addition to our bulbous plants will be hailed with delight by all lovers of flowers, as also by those interested in them only from a commercial standpoint, when it becomes better known. I first made its acquaintance last spring through the well known firm of Sander & Co., of Bruges, Belgium. My experience with the plant thus far has not been sufficiently extensive to enable me to state just how far it may be of value to the florists, but I am pretty certain it can be flowered successfully for the Easter trade, if not for Christmas, when we attain to that familiarity with its requirements which can only be developed by persistent endeavor. The roots bear a strong resemblance to those of the gladiolus, as do the leaves. The flower spike is from three and one-half to four feet high, and the pure white flowers about two inches in diameter, the length of the blooms being equal to their diameter. As an outside garden or border plant, in large clumps, it must be a strikingly beautiful object, as well as useful for cutting. Watsonias are best treated in the same manner as gladioli, as they are not hardy enough to withstand the winters of our New England climate.

K. FINLAYSON.

Rose Pests and How to Exterminate Them.

BY E. M. WOOD, NATICK, MASS.

[*Read at the Detroit Convention of the Society of American Florists.*]

The study of entomology may be divided into two classes—systematic, the pure science, and economic, the applied or practical science. In presenting this paper I shall deal with the practical side of entomology, using only such scientific terms as are necessary to a clear understanding of the subject.

All insects with which the florist has to battle belong to the various orders in the class known as hexapoda. The hexapoda are six-legged, air breathing creatures, having a distinct head, thorax and abdomen. They have one pair of antennæ, three pairs of legs, and usually one or two pairs of wings. There are an immense number of species in this class, probably more than all species of animals and plants combined. Classification of insects is based on the arrangement and structure of the mouth parts, the character of the wings, the relation of the first thoracic segment to the rest of the segments and the degree of metamorphosis or change through which an insect passes in the complete cycle of its existence. Metamorphosis is of two kinds, complete and incomplete. Incomplete signifies that the young when hatched from the egg look like the parent, or in other words, there is no difference in structure between the young and the adults. Complete means that the young do not resemble the parent; that is to say, there is a complete change in the appearance of the insect while passing from the young to the mature state.

Insects that undergo no change in appearance pass through an existence of three stages, egg, nymph, or young, imago or adult. Those passing through a complete change exist in four stages, egg, larva or caterpillar or grub, pupa or chrysalis, imago or adult. The caterpillar or grub stage and the adult stage are, of course, the only ones in which the insect is capable of doing any damage.

In the practical application of insecticides, to be effectual, we must know how insects feed. They may be divided into two general groups, chewing and piercing and sucking. Chewing insects may be killed by applying arsenical compounds, either in dry or liquid form, directly to the foliage of the plants. But with piercing and sucking insects it will readily be seen that poisons applied to the foliage would have no effect, as this class eats only the sap of the plant; consequently we apply a liquid which will come directly in contact with the body and close up the breathing pores, or use some of the various methods of vaporizing. Having once learned how an insect feeds, we can then adopt the proper method for its destruction.

There are a large number of species which attack roses; but I shall discuss in this paper only the important ones, which, to the practical florist, are those whose destructiveness amount to dollars and cents. I have used the classification as given by Dr. Harris and, unless otherwise stated, it will be so understood.

In the first order, coleoptera, or beetles, are two rose pests of importance, the



WATSONIA ARDERNEI.

rose bug, or rose chafer, and white grub, or May beetle.

The rose chafer, incorrectly called bug, is a diurnal or day working insect. It is seven-twentieths of an inch long, its body is slender and entirely covered with very short and close ashen yellow down, the thorax is long and narrow, the legs are slender and of a pale red color; the joints of the feet are tipped with black and are very long. These beetles come forth from the ground during the second week in June and remain from thirty to forty days. At the end of this time the males die. The females deposit about thirty eggs in the ground, when they return to the surface and, after lingering a few days, die also. The eggs hatch out in twenty days and by the following June appear as fully developed beetles. The grubs go down below the frost line during the winter, come up and pass through the pupa state in the spring. Thus a complete metamorphosis is effected in one year. The rose chafer has generally been considered destructive to outdoor roses only, but of late years it has appeared in greenhouses. Their ravages may be partially checked by dusting with Paris green or hellebore.

The June beetle is of a chestnut brown color, smooth, but covered with little impressed dots. Its average length is nine-tenths of an inch. In its perfect state it feeds on the leaves of the trees, particularly on those of the cherry tree. The grub is a white worm with a brownish head and, when fully grown, is about as thick as the little finger. It is said that this grub takes three years to mature. When brought in the soil into the greenhouses it creates great havoc among the roses by eating the roots. When once established in rose beds the only methods of destruction practiced with any degree of success are digging around the roots of the plants and removing the grubs, or sprinkling over the soil a thin coating of soot and lime. This, when watered, gives off ammonia which destroys the grub. But with proper precaution this trouble need not be necessary, for knowing that the various kinds of grubs go down deep in the soil in the winter to escape the frost, it is evident that the rose grower should obtain his soil late in the fall after the grubs have gone down, or early in the spring before they have come up. Should he neglect to do this, the only way he can get soil free from vermin is by sterilizing it with steam before planting. This will kill all animal life, including the much dreaded eel worm so common in some rose growing localities.

The order hemiptera, or true bugs, contains the well-known greenfly or plant lice and the rose leaf hopper, which is often mistaken for thrips.

Concerning the greenfly Theodore Wood says, "Perhaps of all the beings which we are accustomed to rank together under the title of injurious insects, there is none, save the locust itself, whose destructive powers are greater than those of the aphides, plant lice or green blight, as they are indifferently termed, and none capable of causing more terrible and wide-spread damage to the crops upon which man so largely depends for a livelihood. There is scarcely a plant or a tree, whether wild or cultivated, which escapes their ravages, stem, leaves, fruit, and even the very roots themselves, being alike attacked and drained of their life juices by the insatiable little creatures, whose numbers compensate for their individual weakness and render them one of the direst pests to which civilized man is subject. It may seem a wildly exaggerated and unjustifiable statement if we say that, but for certain opposing agencies, the aphis would overrun the entire world, that it would leave scarcely a green leaf upon the earth and would cause such terrible devastation that all terrestrial life would wholly disappear and the globe become one vast desert and utterly without living beings of any kind. Incredible as the assertion may seem, however, such results are no more than must logically follow if the aphis could be allowed to remain perfectly unmolested during a period of but a single year."

Reaumur estimated that one aphis may be the progenitor of almost six thousand million individuals during the few weeks over which her life extends. But it is unnecessary to dwell further on what the aphis might do if unmolested. It is sufficient for the rose grower to know that with tobacco in its various forms he may at all times keep his plants free from the pest.

There are three natural enemies of plant lice which keep them from multiplying to excess, the larvæ of the hemispherical beetles familiarly known as

lady birds or lady bugs, the larvæ of the golden-eyed, lace-winged fly, the maggots or young of the various two-winged flies belonging to the genus syrphus.

The rose leaf hopper is often mistaken for thrips. It lives upon the leaves of rose bushes and is very injurious to them. In its perfect state it is rather less than three-twentieths of an inch long. Its body is yellowish white, its wing covers and wings are white and transparent, and its eyes, claws and piercer, brown. Their numerous cast skins may be seen adhering to the lower side of the leaves. Leaf-hoppers can be easily destroyed with pyrethrum fumes or a commercial preparation called "XI All."

In the order hymenoptera, stingers and piercers, we find two rose pests, slugs and rose gall flies. The rose slug is transparent, jelly-like, greenish above and yellowish below. It eats the upper surface of the leaves, leaving patches of the lower surface and the veins. These slugs usually feed by night and remain hidden on the lower surface of the leaves by day. When ready to pupate they crawl down or drop to the ground and burrow beneath the surface, where each makes a little cell and then transforms. The adult fly is shining black with smoky wings and with the fore and middle legs grayish or dirty white. It is about one-fifth of an inch in length. There are two broods a year, one in June and one in August. The last brood passes the winter in the ground. Syringing ought to keep them off the bushes. If they should appear they can be destroyed with a solution of whale oil soap or with kerosene emulsion.

The gall fly is of a brownish red or cinnamon color with four little longitudinal grooves on the top of the thorax; the lower part of the antennæ is red and the remainder black. The insect measures from one-eighth to three-sixteenths of an inch in length. Great numbers of these gall flies are bred in the irregular woody galls of the stems of rose bushes. There is no known remedy. As soon as the galls appear the affected parts should be cut off. There is a natural enemy of the gall fly, a parasite, which does much to keep it in check. The parasites are flies which lay their eggs in the galls. The maggots which hatch out from the eggs eat the young of the gall flies.

The order lepidoptera, moths, gives us one of the worst pests of all, the leaf roller. Leaf rollers are the young of small cinnamon-brown colored moths. The wings expand to about an inch. The moths lay their eggs on the leaves and in the tips of the rose buds. The caterpillars which hatch out from these eggs eat the center out of the bud or roll up the leaves. After destroying the leaves they pass into the pupa state and finally emerge from this as moths. They do a great deal of damage during the spring and summer months, but there seems to be no satisfactory remedy for their complete destruction. By careful hand picking they may be kept in check. Should they become very troublesome, Paris green or hellebore should be dusted over the bushes.

The order, called by Comstock, physopoda contains the thrips. The members of this order have four wings; these are similar in form, long, narrow, membranous, not folded, with but few or no veins, and only rarely with cross veins; they are fringed with long hairs, and are laid horizontally along the back when at rest. The metamorphosis is incomplete. The mouth parts are probably used chiefly for sucking; they are intermediate in form between those of the sucking and those of the biting insects. They are so small that it would take a dozen or more placed end to end to measure an inch. They are extremely lively, leaping or taking flight with great ability. These little insects are generally considered one of the very worst pests that the rose grower has to contend with. They have been known to completely ruin a whole crop of roses. Their plan of destruction is to enter the bud and suck the sap from the base of the petals, thus causing the flower to come curled or crumpled and deformed. I understand that this pest is very troublesome in certain localities this season and is causing much damage to roses, especially American Beauties. To all those growers who have thus far been unable to cope successfully with this little enemy I can say that in pyrethrum and also a commercial preparation called "XI All," they have remedies which will entirely rid their greenhouses of this pest. I shall shortly give directions for the use of these preparations.

The red spider is not a true insect. According to Comstock it belongs to the order acarina, mites, in the class arachnida, spiders. Everybody knows the red spider. Plants can be kept free from this mite by careful and persistent syringing. If from any cause the pests should become troublesome the plants should be sprayed with whale oil soap. Sulphur on the heating pipes will also keep it in check. This, then, completes the list of the more important rose pests; we will now direct our attention to the means for annihilating them.

Paris green, the poison most generally used for chewing insects, is a combination of copper and arsenic, containing about fifty-five per cent arsenic. It is slightly soluble in water but if a little lime is added the arsenic becomes practically insoluble. Applied at the rate of a quarter of an ounce to four gallons of water it will not injure the foliage. It may be applied dry, using one part, by weight, to one hundred parts plaster.

London purple, a by-product from aniline dyes, costs less than Paris green. It contains about the same per cent of arsenic but in a much more soluble form, thus rendering it more liable to burn the foliage. The percentage of arsenic varies so greatly in London purple that, although it costs less, it cannot be recommended in preference to Paris green.

White arsenic is soluble and burns the foliage. It should not be used on rose bushes.

Hellebore is made from the roots of a plant. It is less dangerous than the mineral poisons and kills both by contact and by being eaten. It may be applied in liquid form at the rate of one ounce to three gallons of water, or dry, using one part to five parts plaster.

Pyrethrum is made from a plant of the genus pyrethrum. There are three brands on the market, Dalmatian powder, Persian insect powder and hubach. Persian insect powder is probably the best. It should always be obtained fresh as it loses its destructive properties on being exposed to the air. This powder is an effective remedy for the destruction of leaf hoppers and thrips. The house to be treated should be closed tightly and the powder sprinkled on hot coals carried on a shovel. The fumes are harmless to the operator but are death to the insects. To carry on the operation on a large scale it would be advisable to burn the powder on oil or alcohol heaters.

Kerosene emulsion is made as follows: Kerosene two gallons, soap one-half pound, water two gallons. Heat the mixture of soap and water to boiling and add the kerosene. Churn the mixture with a force pump and spray nozzle five or ten minutes. Dilute to fifty gallons with cold water. Kerosene emulsion is very liable to injure the foliage and should be used only with great caution.

Whale oil soap should be used at the rate of one-fourth pound to a gallon of water. Anything stronger than this will injure the foliage.

The simplest way of using tobacco is to burn the dry stems but this method is not much used in rose houses, as the smoke fades the flowers. Rose leaf extract is very satisfactory but is inconvenient to use on a large scale. Steaming the stems is economical and effective for large houses.

Lime, wood ashes and soot help to keep down pests if incorporated with the soil before planting. In this connection I may mention that in 1884 I imported soot, being the first in this country to introduce it for greenhouse purposes. I have found a mixture of lime and soot the only effectual remedy for the destruction of myriapods, commonly called thousand legged worms. The lungs in these worms are situated on the under part of the body. The ammonia rising from the compound enters the lungs, causing the death of the worms.

Hydrocyanic acid gas gives promise of becoming a valuable insecticide, but has not yet been used with success in rose houses, as the gas injures the young shoots.

Bisulphide of carbon has been used successfully on red spider and greenfly. It is liable to injure foliage, is a poison, is extremely inflammable and so cannot be recommended.

The commercial preparation called "XI All" fumigating liquid, which I have referred to, is manufactured in England. When heated over a spirit lamp it gives off fumes which are sure death to aphides, mealy bugs and every kind of thrips. This preparation is undoubtedly the best thing known at the present time for the destruction of all those pests for which the much exploited hydrocyanic acid gas is recommended. Moreover it accomplishes the desired end without the slightest injury to the most delicate plants. The cost is high, $6 for sufficient liquid to fumigate 2,000 feet, or a modern rose house 22x100, but, taking results into consideration, I am not prepared to say that it is expensive. Mr. Brydon recommended "XI All" to me. He says it is sure death to the worst kind of thrips.

While the foregoing insecticides may not prove effectual in completely annihilating pests after they have become firmly established, still, if precaution is taken to use them in time, they will at least prove preventative.

Old Cyclamen Bulbs.

ED. AM. FLORIST:—Please state whether it is practicable to keep cyclamen bulbs the second year. Should they be given a period of rest or kept growing steadily? In what manner should old bulbs be started? J. S.

FROM THE COMMERCIAL STANDPOINT.

We do not consider it worth while bothering with old bulbs. If special care is taken good results may be obtained, but I have never found it to pay, as if seed is sown at the proper time and the plants skillfully handled, the young plants will be as a rule far superior to old stock. However, good specimens may be grown

from the old bulbs if the inquirer will dry them off gradually, leaving them in the pots and withholding water by degrees until quite dormant, then take the plants —pots and all—to some cool, shady place outdoors, cover them to the depth of about two inches with coarse sand and leave them there for four to six weeks; then take the old bulbs, shake out the soil and re-pot. They should next be placed in a frame, watered sparingly at first and afterward cultivated the same as young stock. This is the old way of thirty or forty years ago, and it is good enough, only that it spreads over two years that which can be accomplished in one. J. M. KELLER.

AN EXHIBITION GROWER'S ADVICE.

It does not pay to bother the second year with cyclamen bulbs that have been starved or neglected the first season; but if they have not received a check while growing the first year, they will start and make fine plants the second, and produce twice as many flowers as seedlings. They will probably require a larger size of pot than that used for seedlings at the final potting. To get the best result from cyclamen bulbs the second year they must be dried off gradually and ripened until they lose all the old leaves. It will not do to neglect them while they are undergoing the drying-off process; give them a good sunny bench with sufficient water to keep the roots alive and prevent the bulbs from shriveling. About the middle of June it will be time to repot them; shake them out of the old soil, being careful to save all the roots that are alive, and transfer to pots two sizes smaller than those in which the plants were previously flowered. They like a good, fibrous mixture to grow in, one-half good sod broken up and one-half loam, with a fair allowance of well-rotted cow manure, charcoal and bone flour. The pots should be well drained, as one of the main points in the successful culture of these plants is to preserve the soil in a sweet condition. They will not require much water until they start to make a good growth, but a light syringing night and morning helps them to break away. Shade during the hottest part of the day, and pot on all the plants as they require it. They should be grown in a frame during the summer months, placing them near the glass and throwing the lights off mornings and evenings. JOHN BARR.

Comment at the Baltimore Gardeners' Club.

There was a large attendance at the latest meeting of the Baltimore Gardeners' Club and after the routine affairs of the evening had been disposed of Edw. Kress read a paper in which he related his experience in growing and marketing geraniums. His views provoked no little debate, Mr. Burger contending that a grower of bedding plants who makes geraniums a specialty can make money at $6 per hundred for his plants, not including the pots. Mr. Christie announced his belief that the growers of geraniums do not get over $65 per 1000 for their stock, that is, net, allowing for losses. Mr. Graham advanced the opinion that really well-grown geraniums would bring 15 cents each.

A requisition upon the question box brought out the query, "How can one cure violet spot?" Mr. Graham responded that he eradicated the disease by picking and destroying every leaf which showed it. Mr. Kress reported that it had developed badly upon the plants in three of his frames. He dried them out until the plants wilted, then removed all the diseased leaves, applied a top dressing and watered, finally getting the plants into perfect condition. President Flitton stated that he plants his violets in the field in summer, horse cultivates and moves them into frames before the September rains. He sets the frames where they get the early morning sun and has never had a case of spot. Mr. Seybold suggested that sour soil had much to do with spot.

In reply to a query as to the best method of exterminating cut worms it was suggested that poisoning them with a mixture of Paris green, bran and sugar is most efficacious.

"Should private gardeners encourage putting up more glass?" was a question which provoked diversified responses. One side claimed that the result was invariably an effort to recoup by selling flowers, while the other party maintained that the stocking up benefited the trade more than the selling flowers hurt it.

"How to use lime on carnations" was the way one query read and "dust freely in the air slaked state" was the reply. However, some doubt was expressed as to the usefulness of lime on all kinds of soil.

The gentleman who wanted the name of the white carnation best for summer was told that there was little choice between Mrs. Fisher and Flora Hill.

Jubilee and Fire Fly were named as the best red carnations but Mr. Halliday said Matt. Richmond, a sport from Tidal Wave, excells them. MACK.

Premiums for Twin City Florists.

At the Minnesota State Fair last week there were very many floral displays and, in the classes open to all, the leading commercial growers were well represented. Following are the premiums awarded to those in the trade:

Asters, five varieties, first premium, L. L. May & Co.; second, Jacob Hartman; third, R. J. Mendenhall.

Carnations, six varieties, first premium, E. Nagel & Co.; second, R. J. Mendenhall; third, Jacob Hartman.

Roses, six varieties, first premium, L. L. May & Co.; second, R. J. Mendenhall; third, E. Nagel & Co.

Floral designs, first premium, L. L. May & Co; second, E. Nagel & Co.; third, A. S. Swanson; fourth, R. J. Mendenhall.

Basket, first premium, L. L. May & & Co.; second, R. J. Mendenhall; third, Jacob Hartman.

Coleus, six varieties, first premium, E. Nagel & Co.; second, Jacob Hartman; third, L. L. May & Co.

Begonias, first premium, E. Nagel & Co.

Specimen palm, first premium, L. L. May & Co.; third, Jacob Hartman.

Collection of geraniums, first premium, E. Nagel & Co.; second, Jacob Hartman.

Vase at fountain, second premium, Jacob Hartman; third, R. J. Mendenhall; fourth, E. Nagel & Co.

Pyramid bouquet, first premium, E. Nagel & Co.; second, Jacob Hartman; third, R. J. Mendenhall.

Hand bouquet, under nine inches, first premium, R. J. Mendenhall; second, E. Nagel & Co.; third, Jacob Hartman.

Bridal bouquet, first premium, L. L. May & Co.; second, E. Nagel & Co.; third, Jacob Hartman; fourth, R. J. Mendenhall.

Collection of greenhouse and stove plants, first premium, L. L. May & Co.; second, R. J. Mendenhall; third, E. Nagel & Co.; commended, Jacob Hartman.

Foliage and decorative plants, first premium, R. J. Mendenhall; second, E. Nagel & Co.; third, Jacob Hartman.

Collection of climbing vines, five varieties, first premium, Jacob Hartman; second, E. Nagel & Co.

Hanging baskets, first premium, L. L. May & Co.; second, E. Nagel & Co.; third, Jacob Hartman.

Philadelphia.

PALM GROWERS ARE EXPERIENCING A DEMAND BEYOND THEIR FONDEST HOPES. — GOOD STOCK AT HAND. — STORE TRADE AWAKENING.—THE MARKET.—FAKIRS IN EVIDENCE.—COMMISSION MAN MAKES A TELEGRAPH CODE. —A BUSINESS CHANGE.—VISITORS.

The palm growers seem to be right in it at the present time, for their choice stock is being picked up rapidly at top prices. Several of them have said that even while they expected business to be good they did not anticipate the rush nor the demand that has developed so early. The quality of the plants offered is, as a whole, better than ever. They grade higher; quality seems to have been kept in view and there is more attention being paid to specimens. Plants running from $20 to $35 each are to be seen, and are not standing still by any means. The buying is mostly from out of town, those from a distance taking advantage of low freight rates while the weather is favorable. It is astonishing what long distances plants may be shipped if carefully packed and arrive in good order. Lemuel Ball shipped some palms by freight recently that were a month on the way and received word that their condition when unpacked was entirely satisfactory.

The store trade is increasing perceptibly, for, while there is nothing of note taking place, the people are giving evidence that they are at home. The little table ferneries are being sent in and the summer plant boarders started homeward. Stock continues to improve. Beauties with stems thirty inches long bring $1.50 per dozen; twenty-four inches, $1.25, and shorter lengths 75 cents to $1. Teas are a little stiffer; $5 is now asked for the best Kaiserin and Carnot; $4 will, however, command very good stock. These prices are for the selected twenty-five or fifty of a kind, the regular orders delivered every morning. The ordinary run in quantity is easily obtainable at $2, and the fakir who pays more than $1 per hundred would be ostracized by his fellows. Carnations sell at from 50 cents to $1 per hundred. Lily of the valley is scarce at $4; asters are about done; dahlias are at their best; $1 per hundred is the price. A few single violets are coming in, but aside from the fragrance there is nothing to recommend them.

The fakir element is evidently preparing for a vigorous fall campaign. It is rumored that a counter has been rented in one of the department stores by one of the profession. All the old stands are blooming and these, with the new ones now running and others contemplated, should help to keep down the surplus. In speaking of these merchants, a man who appeared to know the law on the subject, said that every stand occupying an inch of the sidewalk does so illegally. The sidewalks belong to the city. The property owners on Chestnut street below Broad are not allowed to place any goods outside the building line; on other streets they are allowed to use two feet from the house line for a display of their own wares, but to rent this space to another is against the law.

Edward Reid has prepared a new telegraph code for the use of his customers. It is especially arranged for the commission business, and has been given considerable time and thought. It appears to be very complete. He has had it copyrighted. The main feature is that one code word expresses both the name of the flower desired and the quantity. The different kinds and colors of flowers are arranged by themselves with a code word for each usual quantity desired. By this plan a telegram for quite a large order requires but a few words, which are easily found.

Isadore Jacobs, of Jacobs & Son, has bought out the Miss Wood store at Fifteenth and Locust.

Visitors in town: George M. Stumpp and Charles A. Dards, of New York; T. Peterson, Cincinnati; President E. M. Wood, Natick, Mass.; Phil. Hauswirth, Chicago. K.

New York.

DULL TIMES.—FEW ORDERS AND LIGHT RECEIPTS.—NEW STOCKS IN MARKET.—DEWEY DAY A DETRACTION.—PLANS FOR THE NEXT CONVENTION TO BE MADE.—JOTTINGS HERE AND THERE.

There is a general complaint among both wholesalers and retailers of dull business this week. Fortunately the receipts of stock in most cut flower lines are light and the accumulation on account of dull business is not serious. Roses are, as a rule, fair for the season and a certain proportion of them are remarkably good. These latter maintain a reasonable price but the balance takes its chances. Carnations continue scarce. Chrysanthemums are popping up here and there but no sensation is caused thereby. Cattleyas are more abundant. Windows are decorated, as yet, mainly with palms. An occasional vase of blazing tritomas commands attention from the passer-by, and more or less attempt at autumn effect is seen in the use of prematurely brilliant foliage mingled with sprays of Japan maple and clusters of chrysanthemums. The approaching Dewey celebration does not impress the trade here as calculated to make any special call for flowers, in fact, the more general opinion seems to be that this event will detract from the interests of the flower trade while the excitement lasts.

The trustees of the New York Florists' Club have been called to meet at 3 p. m. next Monday to formulate plans and systematize arrangements for the S. A. F. convention of 1900. The unanimity in the trade here, in all its departments, in reference to this event is something unprecedented.

H. A. Bunyard received this week the first case of southern smilax for the season and it was disposed of at sight.

One of the wholesale establishments on Twenty-ninth street and one on Thirtieth street were utilized for caucus purposes on Tuesday by the two great political parties.

Cleary had a good sale at Dreyer's in Woodside on Wednesday. Next week he sells a lot of big palms, pandanus, etc., at H. C. Wille's, West Hoboken.

A negro coachman of Julius C. Ammon, One Hundred and Twentieth street and Seventh avenue, is accused of looting his employer's residence of a large amount of valuables during the latter's absence in Europe the past summer.

Mrs. M. H. Moore, of Highland, N. Y., sent the first violets of the season to Ford Bros. on September 14.

The promoters of a new company to be called the American Galax Co., held a meeting here on Tuesday and adjourned till Friday without taking definite action.

Visitors in town: J. H. Small, Washington, D. C.; H. P. Kelsey, Boston; C. H. Ricksecker, Linville, N. C.

Chicago.

SMILING FACES IN THE WHOLESALE DISTRICT.—TRADE IS GOOD.—A DIVERSITY IN STOCK.—AT THE CLUB MEETING.—PLANS FOR FLORISTS' FESTIVAL FLOAT.—FERTILIZER, VIOLETS AND OTHER MATTERS.—PERSONAL JOTTINGS.

It is the consensus of opinion among the wholesale dealers that trade for the past three months was the best in many summers and not a dissenting voice is heard when it is commented upon that fall buying began earlier than usual this season. The fact is that business has been good ever since the first of the month and the prospect of an amicable adjustment of the difficulties surrounding the fall festival, ensuring a period of thronged streets and social activity, affords a roseate prospect for the near future. At the present moment one who is willing to pay the price can get almost anything he wants. Violets are in, but not in quantity, and so are chrysanthemums. Asters have shortened up. Roses and carnations have decreased in quantity but they have improved in quality. There are lilies in the market. Dahlias are to be had. There is some lily of the valley and plenty of greens. Shipping orders are numerous, the local retailers have come back to life and prices are firm.

There was a fairly good attendance at the last meeting of the Florists' Club. A committee of five was appointed with full power to act in the matter of a float for the coming autumn festival, as follows: Charles Samuelson (chairman), Phil. Hauswirth, John Gormley, Walter Kreitling and Ed. Winterson. It was announced that subscriptions for this work were coming in freely. The following were admitted to membership, John Reardon being their sponsor: George Collins, Albert Lees, Frank Hansen and James Novak.

J. V. Merrion has taken a contract to remove the manure from the sheep pens at the Union Stock Yards and will offer the fertilizer to the trade, through McKellar & Winterson.

The Illinois Cut Flower Co. is receiving good violets from B. F. Hawkes, Wheaton, Ill., and a few chrysanthemums from the Niles Center growers have sold readily at $1.25 a dozen.

After visiting many adjacent points, including Milwaukee and Oconomowoc, Wis., Alfred Rehder, of Moller's *Deutsche Gartner Zeitung*, departed yesterday for St. Louis.

Charles Klehm and Miss Kirchoff were married on Wednesday. They have many friends who wish them no end of joy.

Albert Fuchs is at home from Mt. Clemens, where he has been since the convention, somewhat recovered from his rheumatism.

McKellar & Winterson are receiving wild smilax from Caldwell The Woodsman, Evergreen, Ala. It will go well for fall festival decorations.

John Leach, who has been with C. A. Samuelson for some time, will have charge of Mangel's new south side store.

Klehms' Nurseries are sending good speciosum and longiflorum lilies to Kennicott Bros. Co.

B. Wills, Anchorage, Ky., is sending violets to McKellar & Winterson. They are grown in frames but are pretty fair stock.

Phil. Hauswirth and wife, and Miss Kreitling, returned last Monday.

E. C. Amling has welcomed a baby boy into his home at Oak Park.

It is now Walter Kreitling & Co., at the old stand.

E. E. Pieser has returned from his vacation.

Visitors: Wm. Dittman, of the South Park Floral Co., New Castle, Ind.; Anthony Warnemont, Aurora, Ill; Swan Peterson, Gibson City, Ill.; John Nelson, Jr., Oshkosh, Wis.

Boston.

STATE OF THE MARKET.—LAST OF THE HORTICULTURAL SHOWS.—MRS. DAWSON QUITE ILL.—SALE OF STALLS AT THE MARKET.—MANY PERSONAL JOTTINGS.

Roses still small, frequently mildewed, and not over plenty; American Beauty and Pres. Carnot the exceptions, the former still holding up its summer figure of twenty-five dollars a hundred for the best; carnations scarcer and poorer as the process of transferring from field to houses goes on; asters keeping up fairly well in quantity and quality; lily of the valley moving steadily—that is about how the market stands at present and there is nothing in sight for the next two weeks to materially affect it, one way or the other. Prices of most varieties in market rule about the same as at the corresponding time last season.

The last of the weekly horticultural shows for the season of 1899 was held on Saturday, September 16. There were some excellent displays of perennial asters, that of Mrs. E. M. Gill being awarded first prize.

Mrs. Jackson Dawson is seriously ill, having had a stroke of paralysis on last Thursday. The blow came to the family at a time of joyousness, Mr. Dawson's son William being home on a visit from Schenectady with his wife and little six-months-old Jackson Dawson, Jr., the entire family being at home together for the first time in two years.

The sale of stalls at the cut flower market on Park street took place on Saturday, September 16. Auctioneer Carroll officiating. The premiums paid were in most instances a slight advance over those of last year. The market luxuriated in a new coat of paint for the occasion.

Wm. Love, Jr., is running the houses on Withington street, Dorchester, once more and Neal Boyle, formerly of Clarence place, is with him.

Gordonia Altamaha is finer this season than ever before at the Arnold Arboretum, notwithstanding the severity of last winter. It is one of the most beautiful plants in the grounds.

James P. Leen, who makes florists' letters in a small way, was burned out last Thursday in a fire which occurred in the building on Marshall street where he was located.

E. M. Wood has gone on a yachting trip to Castine, Me., with his friend, B. F. Keith.

W. H. Long has returned from a month's vacation in the Catskills, looking as fresh as a daisy.

Visitors in town: Prof. Macoun, of Ottawa Experiment Station; Samuel Burns, of Thos. W. Weathered's Sons, N. Y.; Mr. Dreyer, representing A. Herrmann, New York; Mr. Smith, of Smith & Fetters, Cleveland, O., and Peter Byrnes, Wickford, R. I.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

In France it is now proposed to insure growing crops.

The price of iron has advanced nearly three dollars a ton within the past week.

We are in receipt of a useful catalogue of the trees and shrubs in the Arboretum and Botanic Garden of the Central Experiment Farm, Ottawa, Ont., by Director Saunders and Curator Macoun.

The weather conditions in England have been a parallel to our own this season and the drought did much injury to the show and fancy varieties grown for the September exhibition of the National Dahlia Society.

Humulus Lupulus Aureus.

A sport of the common hop (Humulus Lupulus) with golden yellow leaves, this plant forms a very striking contrast to the beautiful variegated hop introduced from Japan a few years ago. The beauty of this plant is best brought out when it is planted with green leaved climbers or with a background of dark green trees or shrubs. So far only small plants have been obtained —*Die Gartenwelt.*

Floral Fete at Saratoga.

Upward of 100,000 visitors were in Saratoga, N. Y., to witness or take part in the sixth annual pageant at the Saratoga Floral Association. Twenty-five thousand lanterns hung from the elms along the boulevard. The conclusion of the fete was the floral ball at Convention Hall, which was attended by between 7,000 and 8,000 persons. The interior decorations included eight tons of green trimmings, 30,000 gladioli, 20,000 hydrangeas and 15,000 of other flowers.

Greenhouse Building.

Des Moines, Ia.—Iowa Seed Co., range of eight houses.

Titusville, Pa.—Relf & Bay, house 25x125.

New Haven, Conn.— Gustav Ginter, three houses 15x60.

Detroit, Mich.—B. Schroeter, carnation house 20x100.

Leominster, Mass.—J. Fuller, house 20x115.

Worcester, Mass.—H. F. A. Lange, two carnation houses, one 16x110, one 23x110.

Nyack, N. Y.—De Pew Bros., two fern houses.

Milford, Mass.—C. H. Metcalf, one greenhouse

New Bedford, Mass.—E. C. Brownell, one large forcing house.

Isabella, Pa.—Wm. Potts, one greenhouse.

Chester, Pa.—Herbert Shaw, range of commercial houses. Wm. H. Miller, conservatory.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

CHICAGO, Nov. 7-11.—Chrysanthemum show, Hort. Society of Chicago. Willis N. Rudd, Ass't Sec'y, Room 3-5, 185 Dearborn St.

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

BOSTON, MASS., Nov. 7-10.—Chrysanthemum show, Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society. Alex. Macleilan, Sec'y.

WORCESTER, MASS., Nov. 8 9.—Chrysanthemum show, Worcester County Hort. Society. A. A. Hixon, Sec'y. 18 Front St.

POUGHKEEPSIE, N. Y., Nov. 8 10.—Annual exhibition, Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill.

TARRYTOWN, N. Y., Nov. 10-11.—Chrysanthemum show, Tarrytown Hort. Society. Wm. McCord, Sec'y.

PROVIDENCE, R. I., Nov. 9-10.—Chrysanthemum show, Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St., Providence.

BUFFALO, N. Y., February 15-16, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

NEW YORK, Sept. 26-29.—Autumn exhibition, American Institute. Geo. Whitefield, Jr., Sec'y, American Institute, New York.

BROCKTON, MASS., Nov. 1-3. — Exhibition of Brockton Gardeners' and Florists' Club. Walter E. Baker, Sec'y, Box 220, Campello, Mass.

WACO, TEXAS, Nov. 15-17. Fourth Chrysanthemum show, Texas State Floral Society. Miss Bella Beer, Sec'y, Waco, Texas.

ST. LOUIS, MO., Nov. 14-18.—Chrysanthemum show, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

PHILADELPHIA, PA., Nov. 7-11.—Annual exhibition, Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Broad street.

BALTIMORE, MD., Nov. 13-18.—Chrysanthemum show, Gardeners' Club. J. J. Perry, Sec'y, 36 W. Lexington street.

HARTFORD, CONN., Nov. 7-10.—Chrysanthemum show, Connecticut Hort. Society. C. H. Boykett, Sec'y, Hartford.

MADISON, N. J., Nov. 7-8.—Fall show Morris County Gardeners' and Florists' Society, Chas. H. Atkins, Sec'y, Madison.

PHILADELPHIA, PA., Sept. 25-30.—Fifth annual exhibition American Dahlia Society, Exhibition Building, National Export Exposition. Amos M. Peacock, Sec'y.

About Hydrangeas.

ED. AM. FLORIST:—Referring to the excellent illustration of hydrangeas in your issue for September 16, I desire to state that I pursue the same method employed by Mr. Downs. My largest plant is about six years old and this summer bore 165 good-sized blooms. It was five and one-half feet in diameter. I use them for outdoor summer decoration.

I am glad that you have taken up this subject, as there had been comparatively little practical matter published regarding the culture of hydrangeas and I have never been satisfied until now that I pursued the best course. The illustration referred to, showing such a number of plants nearly all of equal merit, should convince one that the best method in their cultivation has been adopted. The main key to the situation is in the statement that it is essential only that the wood be thoroughly ripened in the fall.

W. C. EGAN.

Nebraska and Iowa Give Thanks.

At a meeting of the Nebraska and Iowa Florists' Club at Omaha, Thursday evening, September 14, the following vote of thanks was extended to the Detroit Florists' Club:

Resolved, That we tender our sincere thanks for the elaborate entertainment of our delegates during the meeting of the S. A. F. convention in Detroit, in providing fine trolley rides, boat rides, fish suppers and entertainments. We thank one and all most heartily and will always cherish the memory of the delightful time we experienced in Detroit. And that our secretary be instructed to send a copy of this resolution to the Detroit Florists' Club.

The following vote of thanks was extended to the Chicago Florists' Club:

Resolved, That we, the Nebraska and Iowa Florists' Club, herewith tender our most sincere thanks for the kindness extended to our delegates to the S. A. F. convention at Detroit by the members of the Chicago Florists' Club in providing all necessities for the inner man also music and amusement on the journey from Chicago to Detroit, which will long be remembered and highly appreciated. And that a copy of this resolution be sent to the Chicago Florists' Club.

LEWIS HENDERSON, Sec'y.

A Novel Suit.

A novel and interesting suit was begun yesterday before Judge Metzger by John Coleman, represented by F. Deedmyer, Esq., against Daniel E. Gorman. The plaintiff owns a lot on which there is a double house on the north side of High street, near Herdic street. On the opposite side of the street are the greenhouses of Mr. Gorman. The plaintiff alleges that the transparent glass sides and roof of said greenhouses are constructed at such angles that at all times when the sun is shining the beams thereof are reflected so that they strike Coleman's lot and the dwelling house and appurtenances, with such strength, force and brilliancy as to render the rooms in the front part of the house and the porch uninhabitable, useless and unfit for occupation and dangerous to the health of the occupants of the dwellings.

The plaintiff therefore prays for relief as follows: First, that the said building be declared a nuisance; second, that the defendant be compelled to remove the same, and third, that he be restrained hereafter from maintaining buildings constructed of transparent glass on said premises. Saturday was fixed as the day to hear arguments on the matter. The novelty of the suit consists in the attack on the general belief that the law allows a man to build according to his own taste on his own lot. There have been many complaints of adjoining buildings cutting off the light of day, but so far as known this is the first one which alleges that a party is passing on to his neighbor more than the quantity allowed by generous nature. It was stated on the part of the defendant that his buildings were erected before that of the plaintiff.

[The above appeared in *The Sun*, of Williamsport, Pa., September 5. Evidence was given by the plaintiff September 16 in support of his contentions, and this was corroborated by his physician. Defendant's testimony was deferred until this week. The result is awaited with interest.—ED.]

A Question of Piping.

ED. AM. FLORIST:—I have a greenhouse 14x100 feet and wish to divide it so that I can secure 65° in a room thirty feet long and 50° in the other portion. How shall I pipe these rooms to heat by steam? I also have a propagating house 6x50 feet and wish to divide that into two rooms each twenty-five feet long for roses and carnations. How should these rooms be piped?

YOUNG FLORIST.

A 2-inch main will supply steam for both houses, and this can be reduced to 1½-inch after the rose house has been taken off. The cool house can be heated by means of six 1¼-inch pipes in addition

to the overhead flow. The drip pipes can be carried through the rose house. The rose house will need eight pipes in the coils, in addition to the 2-inch supply pipe. By means of valves either house can be regulated as desired. In the propagating house use a 1¼-inch supply on the south wall and for the under bench piping use four 1-inch pipes in the rose house and three in the carnation house.

L. R. TAFT.

All About Piping.

ED. AM. FLORIST:—I have three greenhouses, of which two are 17x65 feet and the third is 18x50 feet. Will you kindly furnish advice upon the following points regarding the best method of heating them?

1. Can a stationary boiler be used to heat by hot water under pressure?

2. If so, what size of flows and returns, and how many will be needed to maintain 70°; outside temperature 15° below zero?

3. With the same boiler, how many flows and returns, and what size of pipe, are necessary to heat by steam?

4. Will pipe that has been given a coat of asphaltum paint radiate heat same as if not so painted? B.

1. Very good results can be secured with an ordinary steam tubular boiler, but if the entire shell is filled with tubes it will be more satisfactory.

2. In houses Nos. 1 and 2, two 2½-inch flow pipes and fourteen 1½-inch returns and in house No. 3 two 2½-inch flows and fifteen 1½-inch returns, will be required for hot water.

3. One 2½ inch main and twelve 1¼-inch returns will answer for houses 1 and 2, and one flow and thirteen returns in house No 3, if steam is used. If desired, the above piping can be so arranged that hot water can be used in mild weather and steam when it is zero or lower. Steam and water gauges and a safety valve will be needed for the steam plant and an expansion tank for hot water, with valve so that either can be cut off. Air cocks should be placed at the lower end of the coils for use with steam, but if the down-hill system is used for hot water and the expansion tank is connected with the highest part of the main, no air valves will be needed for a hot water system. To change from water to steam, merely draw off the surplus water, open the valves leading to the safety valve and close the one below the expansion tank. If a closed system is used it can be so arranged that to change from hot water to steam it is only necessary to draw down the water.

4. The best radiation can be secured when the pipes have a rough, dull surface and, although fair results can be obtained when they are coated with asphaltum, it will be of benefit to paint them with lamp black and oil. L. R. TAFT.

Catalogues and Cut Flower Price Lists Received.

Sears, Henry & Co, Geneva, N. Y., trees and shrubs; T. R. Watson, Plymouth, Mass., trees and shrubs; The Howard & Willet Drug Co., Augusta, Ga., seeds; Archias' Seed Store, Sedalia, Mo., bulbs, plants and seeds; Barr & Sons, London, England, bulbs; A. Dessert, Chenonceaux, France, pæonies; Illinois Cut Flower Co., Chicago, Ill., cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies; E. H. Hunt, Chicago, Ill., cut flowers; Cincinnati Cut Flower Co., Cincinnati, Ohio, cut flowers; J. B. Sutton, Ocala, Fla., garden seeds; Vaughan's Seed Store, Chicago, Ill., seeds, bulbs and plants; Schlegel & Fottler, Boston, Mass., bulbs and plants; Joseph Bancroft & Son, Cedar Falls, Iowa, bulbs, plants and cut flowers; Isaac Hicks & Son, Westbury Station, N. Y., trees and shrubs; Rea Bros., Norwood, Mass., shrubs and perennials; Wildpret Bros., Puerto-Orotava, Tenerifle, Canary Islands, seeds and bulbs; H. Henkel, Darmstadt, Germany, plants; Peter Henderson & Co., New York, N. Y., seeds, bulbs and plants. Pinehurst Nurseries, Pinehurst, N. C., woody and herbaceous plants; Henry F. Michell, Philadelphia, Pa., bulbs and seeds; Chicago House Wrecking Co., Chicago, Ill., second hand greenhouse materials; Vilmorin-Andrieux & Co., Paris, France, bulbs and strawberry plants.

OBITUARY.

MRS. JOHN WELLS.

The wife of John Wells, well known at Gault, Ont., where Mr. Wells had a thriving business, died very suddenly September 11, of heart disease. She was a most estimable woman and her demise leaves her husband with the care of seven children.

D. B. MURDOCH.

Word has reached Pittsburg of the death of David B. Murdoch at Queenstown. Mr. Murdoch and his family left home in August for a visit at his father's birthplace in Ireland and the news of his demise comes as a shock to his wide circle of friends. Mr. Murdoch retired from business some years ago.

W. J. DAVIDSON.

Wm. J. Davidson, well known throughout the east, although he retired from business many years ago, died September 10 at the home of his sister, Mrs. Robt. Veitch, New Haven, Conn. He was of Scotch parentage but was born near London sixty-six years ago, coming to New York in 1855. In 1863 he started in the seed trade on Nassau street, selling out to Peter Henderson. He leaves one son. His brother, James Davidson, is with the H. A. Dreer Co., at Riverton.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By an all-around florist or will take part interest in business; single, age 40. Address J J care American Florist

SITUATION WANTED—By a first-class palm, fern and stove plant grower; life experience. Best of references Address M R. care Am Florist

SITUATION WANTED—As gardener in private or commercial place, or any work in greenhouses; am single; state wages. Box 59. Westfield, Mass.

SITUATION WANTED — By lady of experience capable of taking full charge of florist store Best of references Address A B C. care Am. Florist.

SITUATION WANTED—By young florist on commercial place; speaks German and English; 8 years' experience; age 25 Can furnish reference. Address A E M, care Amer can Florist.

SITUATION WANTED—By a first-class all-around florist; roses a specialty; carnations, mums, general stock; capable of taking charge; 24 years' experience. Best references. R. care American Florist.

SITUATION WANTED—By first-class grower of roses, carnations, chrysanthemums and general stock; capable of taking charge—have been in charge of greenhouses several years with one of the largest rose growers in the east. Best of references. N O, care American Florist.

SITUATION WANTED—As head gardener on private place; German age 29, single; first class, all-around man. Specialist in landscape gardening. Has had positions in Germany, England and America. YOUNG, Rose Nurseries, 657 Bergen Ave., Jersey City, N. J.

SITUATION WANTED—By first-class grower and storeman, to take charge of large commercial place; good designer and decorator; also best grower of roses, carnations, mums, palms, ferns, etc., etc. Quick propagator and potter, age 33, married; 13 years experience; will take first-class place only, with promotion and advancement. S H, care Am Florist.

WANTED—An experienced young man as designer and decorator. State age and salary expected. C A care American Florist.

WANTED AT ONCE—Second man for roses and carnations; must be good on carnations and smilax. Address K B, care American Florist.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T WILLIAMSON, Memphis, Tenn.

WANTED—Two young men to work in greenhouse, with some knowledge of roses and carnations. Address, stating wages wanted with board. COLE BROS, Peoria, Ill.

WANTED—In St. Paul, Minn., a young florist, handy, all-around fellow; German preferred. Good wages and home like treatment assured. F N, care American Florist.

WANTED—A florist who can grow good roses, carnations and mums and is a good propagator. Must be sober and reliable. A good place for the right man. State wages wanted. Write to S D BRANT, Clay Center, Kan.

WANTED—A good all-around florist, to take charge of 6000 feet of glass; must be good grower of roses, carnations, mums, etc. None but a sober and reliable man need apply. Good wages paid to the right man Apply with references to ISHPEMING FLORAL CO, Ishpeming, Mich.

FOR SALE—Hitchings & Co. No 15 corrugated boiler, used two years. Cheap for cash. CHAS A. SHANNON, Princeton, Ind.

FOR SALE OR RENT—Cheap piece of land very suitable for flower business near Concordia Cemetery. Good cemetery trade H Y. HAERTEL, 176 Madison St., Oak Park, Ill., Opp. cemetery.

FOR SALE—One No 17 Hitchings hot water boiler, only used three years, good as new, and 1500 feet of 4-inch cast iron heating pipe at a bargain if taken at once. ED. HELFRICH, Washington C H, Ohio.

FOR SALE—Greenhouses established ten years; 5000 ft glass; first class, up-to-date stock 8-room dwelling and land, near center of city of 10,000. Exceptionally fine climate for people with lung troubles. Present owner has heart trouble and is unable to live in this altitude. For particulars address S C. TROBF & SONS, Trinidad, Colo.

FOR SALE. Morehead steam trap in good condition..... Cost $125.00; will sell for $35.00. Address CHAS. WARNCKE, Woodmere, Mich.

FOR SALE OR LEASE.

Desirable range of 6000 feet of glass in Chicago. Houses planted now, carnations, violets, chrysanthemums, etc. Will be sold reasonably and on good terms. Address W H, care American Florist.

A RARE CHANCE. The proprietor of a well-established place of 15,000 square feet of glass in a town of 60,000, about 60 miles from Philadelphia, desires to retire and will sell his stock, ALL IN FINE SHAPE, and lease the place for a number of years to party who is reliable and who has small capital. This is a profitable retail business, of which further particulars may be had ROBERT CRAIG & SON, by addressing..... Market and 49th Sts., PHILADELPHIA.

ASSIGNEE SALE.

A plant of six greenhouses 20x90 ft., well stocked. Houses two miles from Wheeling, W. Va. Store in city, also fixtures in store. Will be sold very cheap for cash.

HUSCROFT BROS., J. E. McCAUSLAND, Assignee. Wheeling, W. Va.

25 Valuable Plate Books

...For Sale Cheap...

ROSES AND ORNAMENTALS EXCLUSIVELY. ADDRESS....

PLATE BOOKS, care American Florist.

Westerly, R. I.

Nothing daunted by the disastrous explosion last spring of one of his boilers, S. J. Reuter put a small army of men at work, the wreckage was cleared away and two modern greenhouses and a fine boiler house, great improvements on the former structures, are now nearing completion. His stock is invariably choice and commands the best prices in the Boston wholesale market. Mr. Reuter's plant consists of over 60,000 fect of glass, chiefly devoted to roses and carnations. Meteor, Bride, Bridesmaid, Kaiserin, Golden Gate, Pearl and Beauty are grown with marked success, both grafted and on their own roots. Of carnations Flora Hill and White Cloud are doing finely, being the standard whites, while Frances Joost, Daybreak, Victor and Wm. Scott are the pink varieties, with enough red, yellow and striped ones to make a complete list. Mr. Reuter enjoys a fine retail trade and during the summer months, in addition to his store in Westerly, he has a place at Watch Hill, a fashionable summer resort a few miles beyond Westerly. HOMO.

TITUSVILLE, PA.—Wm. Bay has entered into partnership with W. I. Relf and the firm is building a new house on the Relf property. They will run two stores, one here and and one at Cambridge Springs where Mr. Relf will be in charge.

Violets Wanted
CUT NOW.
will make contract for the season.
A. LANGE,
51 MONROE STREET, CHICAGO.

TEXAS SEED AND FLORAL CO.
Wholesale Florists,
DALLAS, TEXAS.
Consignments of choice Roses and Carnations solicited.....
We wish to make arrangements with a few first-class growers for regular consignments.
Correspondence solicited.

SHIPPING LABELS FOR
....Cut Flowers
Printed in two colors on gummed paper, your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co.,
CHICAGO.

THE WABASH R. R. COMPANY
The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.
The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.
Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.
For further information apply to the nearest Railroad Ticket Agent, or to
H. B. McCLELLAN, G. E. A.,
387 Broadway, New York City.
J. D. McBEATH, N. E. P. A.,
5 State Street, Boston, Mass.
C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

Orchids
The management of the "Rosebank" Nurseries in offering Orchids to the trade is prepared to make and substantiate the following claims:
I. During the season of 1898-99 its Orchids were the freshest, the best packed and the most perfect flowers coming into Chicago.
II. Never since the establishment of these nurseries has an imperfect, poor or faded Orchid been shipped out.
III. The packing of Orchids for shipment is done so well that they have been shipped from Cincinnati to Salt Lake City (54 hours) with perfect success.
IV. The "Rosebank" collection of Orchids is the most extensive in the country.
V. These nurseries are the only source from which Orchids can be procured outside of New York.
W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

PITTSBURG CUT FLOWER CO., Ltd.,
WHOLESALE FLORISTS,
Long Distance 'Phone 2157.
Consignments Solicited.
WRITE FOR PRICE LIST.
No. 705 Penn Ave.,
FLORISTS' SUPPLIES. PITTSBURG, PA.

Wholesale Flower Markets

CINCINNATI, Sept. 21.

Roses, Beauty	10.00@20.06
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle	3.00
Carnations	.75@ 1.00
Lily of the Valley	3.00@ 4.00
Asters	.50@ 1.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Sept. 21.

Roses, Beauty	4.00@20.00
" Bride, Bridesmaid, Meteor	2.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1.00
Tuberoses	4.00
Astera	.75@ 2.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Sept. 21.

Roses, Beauty, long per doz.	1.50@ 2.50
" " medium " "	1.00@ 1.25
" " short " "	.50@ .75
" Bride, Bridesmaid	2.00@ 4.00
" Perle	2.00@ 3.00
" Meteor	3.00@ 5.00
" Kaiserin	3.00@ 5.00
Carnations, fancy	1.50
" good stock	.50@ 1.00
Auratum	12.50@15.00
Astera	.50@ 1.00
Adiantum	.75
Common ferns	.25
Smilax	12.50@15.00
Asparagus	50.00

PITTSBURG, Sept. 21.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Kaiserin	4.00@ 8.00
" Perle	2.00@ 4.00
Carnations	.50@ .75
" long	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Tuberoses	2.00@ 3.00
Smilax	10.00@15.00
Wild smilax per case	3.50
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus bunches	.35
" Sprengerii, bunches...35 to 75c	
Astera	35@ 1.50
Gladioli	2.00@ 4.00
Lilium Speciosum	2.00@ 4.00
" Auratum	10.00@15.00



HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.
P. O. Box 103. MILWAUKEE, WIS.

Cincinnati.. Cut Flower Co.,
W. A. MANN.
FRANK W. BALL.
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Your Advertisement
will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in
The Best Drummer. **The American Florist.**

800,000 FEET OF GLASS.

REINBERG BROS.

Wholesale Growers of

CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

WE NOW CLOSE AT 6:30 P. M. SUNDAYS AND HOLIDAYS AT NOON.

Wholesale Price List.

AMERICAN BEAUTY 24-in. stem	per doz.,	$2.00
20 "	"	1.50
15 "	"	1.25
12 "	"	1.00
8 "	"	.75
METEOR	per 100,	3.00 to 4.00
BRIDESMAID	"	3.00 to 4.00
BRIDE	"	3.00 to 4.00
PERLE	"	2.00 to 3.00
CARNATIONS	"	1.00

Quotations subject to change without notice. All other stock at lowest market prices.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS.

FULL LINE OF ALL Florists' Supplies

Fall Bulbs Of All Kinds. Write for quotations on your wants now.

E. C. AMLING,

.... WHOLESALE CUT FLOWERS

W. S. HEFFRON, Mgr. 51 Wabash Ave., CHICAGO.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

Wholesale Flower Markets

CHICAGO, Sept. 22.

Roses, Beauty, extra long stems		3.00
" " 24 inch	"	2 00
" " 20 "	"	1.50
" " 15 "	"	1.25
" " 12 "	"	1 00
" " 8 "	"	.75
" Bride		3.00@ 4 00
" Bridesmaid		3 00@ 4.00
" Perle		2.00@ 3.00
" Meteor		3.00@ 4 00
" Kaiserine		2.00@ 5 00
Carnations		1.00
Violets, single		.50
Lily of the Valley		4 00@ 5 00
Auratums		8 00@12 00
Harrisii		10 00@15.00
Chrysanthemums		50.00
Gladioli		1 00@ 4 00
Asters, fancy		1.00@ 3 00
Mignonette		1.00@ 2 00
Adiantum		.50@ 1.00
Common ferns		.15
Fancy Ferns		.20
Smilax		10 00@15.00
Asparagus		50.00

Do not hide your light under a bushel. Tell the people what you have for sale.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Illinois Cut Flower Co.

WHOLESALE FLORISTS.

J. B. DEAMUD.....

51 & 53 Wabash Ave., CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue, Telephone Main 3208. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

WIETOR BROS.

SUCCESSORS TO ROGERS PARK FLORAL CO.

Wholesale Growers of **CUT FLOWERS**

51 WABASH AVENUE,

Headquarters For American Beauties. CHICAGO

Mention American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

DURING THE SUMMER MONTHS, COMMENCING JULY 3rd, WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

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Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

WM. J. MOORE, Wholesale Florist.

36 South Sixteenth Street,

Consignments of First-Class Stock Solicited. PHILADELPHIA, PA.

I should like to hear from a few good carnation growers.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

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FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

GALAX LEAVES.

Brilliant Bronze and Green.

$1.25 per 1000. Price in quantity on application.

HARRY A. BUNYARD,

42 West 28th Street, : NEW YORK CITY.

It is good business policy to mention the American Florist when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Sept. 20.

Roses, Tea	2.00@ 3.00
" " extra	4.00@ 5.00
" Beauty, extra	12.00@20.00
" " firsts	8.00@12.00
" " seconds	4.00@ 8.00
Carnations	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Asparagus	35.00@50.00
Smilax	12.00@15.00
Adiantum	.75@ 1.00

BOSTON, Sept. 20.

Roses, Beauty, select	12.00@25.00
" " ordinary	2.00@ 5.00
" Bride, Bridesmaid, Meteor	.50@ 4.00
" Kaiserin	1.50@ 6.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asters	.25@ 1.00
Gladioli	1.00@ 4.00
Japan Lilies	2.00@ 3.00
Smilax	8.00@10.00
Asparagus	50.00
Adiantum	.50@ 1.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

Remember us to our advertisers.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME CROWN STOCK.

THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—

Wellington St., Covent Garden, London, England.

Top Grade

BEAUTIES, BRIDES, BRIDESMAIDS.

LILY OF THE VALLEY and METEORS, for summer shipments.

Extra Carnations.

New Telephone No. 1998 Madison Square.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.

J. K. ALLEN,

...Wholesale Florist...

SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.

New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.

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WALTER F. SHERIDAN,

WHOLESALE FLORIST

New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*

Roses shipped to all points. Price List on application.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.

Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER.

....30 West 29th Street.

New Telephone No. 551 Madison Square.

Please Mention the American Florist.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. NEW YORK.

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist.

YOUNG & NUGENT,

WHOLESALE

Commission Florists

NOW OPEN FOR BUSINESS AT

42 West 28th Street,

Telephone 2065 Madison Sqr. NEW YORK CITY.

SPHAGNUM MOSS

$1 00 per Five Barrel Bale.

PEAT, $1 00 per Four Bushels in Bag.

H. R. AKERS, Chatsworth, Burlington Co., N. J.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Sept. 20.

Roses, Beauty select	10 00@25 00
" " ordinary	2.00@ 8 00
" Bridesmaid, Bride, Morgan	.50@ 3 00
" Kaiserin, Meteor	1 00@ 4 00
Carnations	50@ 1 00
" fancy	1.00@ 2.00
Lily of the valley	1 50@ 2 50
Longiflorum	2 00@ 4 00
Gladioli	1 50@ 2 00
Asters, per hundred bunches	1 00@ 3 00
" fancy	50@ 1 00
Cattleyas	35.00@40 00
Smilax	5 00@ 8 00
Asparagus	25 00@35 00
" Sprengeri, per doz. bunches	1@2
Adiantum	.40@ .50

BUFFALO, Sept. 21.

Roses, Beauty	3.00@25 00
" Bride, Bridesmaid, Meteor	2 0@ 6.00
" Perle, Niphetos	2 0@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.5@ 1 00
" fancies	1.00@ 2.00
Lily of the valley	3.00@ 4 00
Lilium Speciosum	4.00@ 6 00
Asters	.50@ 1 50
Tuberoses	3.0@ 6 00
Dahlias	.75@ 1 25
Smilax	10.00@15 00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	.50 00@60.00
Gladiolus	1.00@ 3.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES SWEET PEAS LILIES

JULIUS LANG

53 WEST 30th STREET NEW YORK

CARNATIONS Tel. 280 Madison Sq.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

M. A. HART,

Commission DEALER IN Cut Flowers,

44 WEST 29TH STREET, NEW YORK CITY.

THE BEST MARKET IN NEW YORK.

'Phone 325 Madison Square.

Ford Bros...

Wholesale Florists

111 West 30th Street, NEW YORK.

Consignments Solicited. 'Phone, 157 Madison Sq.

Galax Leaves

For Summer Use in Cold Storage.....

Write the INTRODUCER,

HARLAN P. KELSEY,

1106 Tremont Bldg., BOSTON, MASS.

Now Ready!

The American Florist Company's..

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY

324 Dearborn St., CHICAGO, ILL.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square. ...NEW YORK.

Cut Flowers at Wholesale.

All ready for business in our enlarged, attractive, new location. Can accommodate a few more consignors of desirable stock.

OFFERING AT PRESENT... BEAUTIES, BRIDESMAIDS, BRIDES, METEORS, CARNOTS, KAISERINS, CARNATIONS, VALLEY, LILIES, ASTERS, GLADIOLI, ETC.

LATER ON.... VIOLETS A SPECIALTY.

KEEP POSTED AS TO NOVELTIES IN MARKET BY ATTENTION TO THIS SPACE WEEKLY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER ROGERS, Pres; ALBERT McCULLOUGH Vice-Pres: S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

ONION seed reports from California continue unfavorable.

GRASS seed in many lines is reported short in Europe this year.

THE demise of Alfred Johnson, a well known English seedsman, is chronicled.

FALL bulb trade starts in with a good showing of orders from dealers who do a retail business.

CARL CROPP, of Vaughan's Seed Store, Chicago, has gone for a brief stay in the Nebraska seed district.

WHAT the bean crop will be is still a matter of conjecture. In some cases the samples will be light in color.

THE prospects for good business in the London, Eng., seed market are said to have improved very materially in the past few weeks.

VISITED CHICAGO:—S. Y. Haines and wife, of Minneapolis, enroute to Washington, D. C., in the interest of Charles Parker, contractor for the government seed supply; H. W. Buckbee, of Rockford, Ill.

St. Louis.

A DOUBLE TRAGEDY MARS THE CALM IN THE MISSOURI METROPOLIS.—MURDER OF A FLORIST.—CLUB MEETING, WEATHER AND TRADE.

The sensation of the fortnight is the murder of Wm. C. Pape and the suicide of Henry Frey. Mr. Pape, who was superintendent of parks for St. Louis, was entering his home one evening when Frey shot and mortally wounded him; then, seeing escape impossible, put a ball into his own brain. Mr. Pape had been in the trade for many years, was prominent in politics and a popular man. His funeral was very largely attended and the floral tributes were profuse. F. W. Pape, who has conducted his father's establishment for some time, has been appointed to succeed him as superintendent of parks.

The September club meeting was poorly attended, but the members had a jolly time with the newly elected president, J. F. Ammann. It was reported that our club picnic cost us $30.

The weather has turned damp and cool and the growers are all busy moving in their stock.

Business is quiet, but good flowers are scarce. S. E.

Cincinnati.

STATE OF THE MARKET.—CARNATIONS BENCHED IN INCREASED QUANTITY.—NOTES.

There has been a slight improvement in business over last week and our wholesale houses report a fair shipping trade. The quality of stock is fast improving. Asters are not over plentiful, but extra good stock is being shipped in from Michigan. Carnations are about equal to the demand, with the exception of white. Choice roses have been selling well, while poor grades move slowly. There has been little call for tuberoses this season, in fact the street fakirs don't want them.

Our carnation growers are about through planting and, judging from present indications, there will be a plenty of this flower around this market this season. Among standard varieties, Daybreak, Scott and Flora Hill are still in the lead.

E. G. Hill, of Richmond, Ind., was in town this week. H. SCHWARZ.

NEWS NOTES.

OMAHA, NEB.—J. J. Hess is rejoicing over the arrival of a nine pound boy in his family.

GRAND FORKS, N. D.—Frank Kent has a handsome new refrigerator, made for him by the White Enamel Refrigerator Co., St. Paul.

WATERLOO, N. Y.—Edney Smith met with a painful accident recently, falling from the rear porch at his home, cutting his face severely.

PLAINFIELD, N. J.—Mrs. E. V. Denton has opened her florist store in the Stillman Building for the season and gave a reception September 22.

WILLIAMSTOWN, MASS.—A movement is on foot for the purchase of Torrey's Woods with the object of preserving them for the public benefit.

INDEPENDENCE, IA.—The Bissell Floral Company has ceased to exist, Mr. Cilly disposing of his interest to E. M. Bissell, who will continue the business.

LEOMINSTER, MASS.—J. Fuller is building an even span house 20x115. The material is largely iron; the heat, hot water. He reports business good all summer.

SILVER CREEK, N. Y.—T. F. Vander Meuelen, of Dunkirk, has purchased the greenhouses near the station here, at chattel sale and will add them to his range at Dunkirk.

GLENVILLE, N. Y.—Cooke & McCord recently purchased the ground on which their greenhouses stand and are making improvements and additions. They have a store on Main street, Tarrytown.

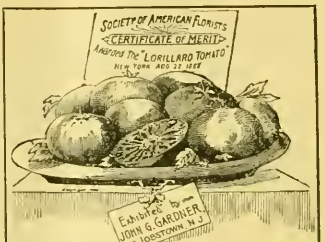
ST. CHARLES, Mo.—Jos. Gelven & Son are building two thoroughly modern greenhouses at Sedalia, Mo. The plant will be in charge of Charles Gelven, Mr. Gelven senior retiring until his health is improved.

BEARDSTOWN, ILL.—Frank Burtonshaw has completed his recent additions and improvements on his greenhouses but is now about to put up another fifty-foot house for lettuce. His stock is all looking well.

CHESTNUT HILL, PA.—Visitors recently in town were: Geo. M. Stumpp, New York; E. N. Peirce, Waltham, Mass.; Fred. Lemon, with E. G. Hill & Co., Richmond, Ind.; J. A. Valentine, Denver, Col.; Mr. Woodruff, Independence, Iowa.

WORCESTER, MASS.—H. F. A. Lange has just completed two large violet houses, heated by hot water, and is now building two houses, covering 4,300 square feet, for carnations. These will be steam heated. His stock is in fine condition and trade is good.

HIGHLAND, N. Y.—The violet growers here are well pleased with the appearance of their stock. Mrs. M. J. Moore has 18,000 plants and J. W. Feeter 15,500. The latter grower shipped the first violets from this section September 11 and has been shipping every day since.



Forcing Tomato "Frogmore Selected"

Mr. Herrington tells me this is a grand variety. I offer it in Veitch's original packets. Price 50c.

True Lorillard Forcing Tomato

Specially saved for my trade by the originator, Mr. Jno. G. Gardner. Trade pkts. 15c, 25c and 50c free by mail. Bulk price on application.

Sutton's Best of All Forcing Tomato

Large, round, deep scarlet, very prolific. Our own specially selected stock. Trade pkts. 15c, 40c and 75c. Bulk price on application. Stamps accepted for small amounts.

GEORGE C. WATSON,

Seedsman....
Juniper and Walnut Streets.
BULBS.
RAFFIA.
MUSHROOM SPAWN.
PHILADELPHIA.

GENUINE DANISH SEED
only direct from
R. WIBOLTT, seed grower
Nakskov, Denmark.
Pricelist on application



Mr Ball Head Miss Snowball
both of Denmark.
Awarded the largest Silver Medal in St. Petersburg in May, 1892.
LILY OF THE VALLEY PIPS.

Perry Watson & Co.
CALIFORNIAN SEED HOUSE
—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.
SACRAMENTO CALIFORNIA

BOBBINK & ATKINS,
Representatives of the following European Houses:

The Horticultural Co., Boskoop, Holland, H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs.

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Spoeck Bros., Oendbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

Do not forget to say "saw your ad. in the AMERICAN FLORIST" when corresponding with advertisers



A MONEY MAKER

Japan Grown
Lilium Longiflorum

for EASTER and DECORATION DAY blooming.

TWO : : CARLOADS JUST RECEIVED.

SIZES: 6 to 8 inch. 7 to 9 " 9 to 10 "

We are headquarters for the TRUE strain of these, unmixed with the SMALL FLOWERING kind.

Vaughan's Seed Store,

CHICAGO, 84 & 86 Randolph St.

NEW YORK, 14 Barclay St.

ESTABLISHED 1802

THORBURN'S SEEDS

Dutch Bulbs AND LILY OF THE VALLEY PIPS for Forcing and Outdoor planting.

Florists and Dealers are invited to send for Trade List now ready.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,
42 W. 28th St., - NEW YORK CITY.

There are buyers for all kinds of stock advertised in the American Florist

CINERARIA — Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.

CYCLAMEN — Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.

PRIMULA — Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.

PANSY — Rolker's Giant, $5.00 oz.; ⅛ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 32 Dey St., New York.
When writing mention the American Florist.

CALIFORNIA BULBS

Grown at our own farms; now at hand ready for shipment; in prime condition.

Freesia Refracta Alba
(True White. From Bermuda Seed).

Mammoth Bulbs, ½ to ¾ in. diam., $7 per 1000
Extra Selected, ⅝ to ½ in. " all sold.
First-class, ½ to ⅝ in. " $2 per 1000

Calla Aethiopica....

Mammoth Bulbs, 6 in. and up circum., $9 per 100
Extra Selected. 5 to 6 in. " 7 "
First-class, 4 to 5 in. " 5 "
Second size, 3 to 4 in. " 3 "

JACKSON & PERKINS CO., NEWARK, NEW YORK.

ZIRNGIEBEL GIANT PANSIES

Seed at $1.00 per trade packet or $5.00 per oz.

Also plants of the above at $5.00 per 1000, securely packed to go any distance. Large transplanted plants for winter bloom at $2.00 per 100 (no dollar an oz. mixture in these plants).

DENYS ZIRNGIEBEL,
NEEDHAM, - - - MASS.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

PALM Seed.

FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5 00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

	100	1000
FREESIA REFRACTA ALBA, True White, large bulbs	$.75	$6.50
FREESIA, pure white, yel. throat	.60	4.75
" " ⅝ to ½-inch	.40	3.00

Price includes delivery on Freesias.
LIL. HARRISII, Extra Fine, 5 to 7-inch 4 50
CALLA AETHIOPICA, 3-7 in. circ. Write for prices.
Send for New Trade List.
H. H. BERGER & CO., 47 Barclay St., New York.
Established 1878.

LILY OF THE VALLEY.

Easily forced, first quality, large pips in Oct., Nov. and Dec., $5.00 per 1000.

H. WREDE, MAY LILY GROWER;
LUNEBURG (near Hamburg), GERMANY.
CASH WITH ORDER.

Say: "Saw it in the FLORIST."

The Nursery Trade.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS Pres.; D. S LAKE. Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

PROF. JOHN CRAIG is compiling certain facts in regard to American plums in the publication of which nurserymen will take much interest.

IT is remarkable that in the Niagara district, where peach buds sometimes all succumb to cold 12° below zero, there has been a heavy crop this year.

THE European apple crop is reported below the average and American apples of the first grade will again find ready sale at Liverpool and Hamburg.

J. E. ACKERMAN, Passaic, N. J., invites proposals for supplying about 4000 shade trees for street planting by the city and mails specifications upon request.

THERE are 7,533,358 apple trees in Kansas and Sec'y Barnes, of the State Horticultural Society, estimates this year's yield as forty-seven per cent of a full crop.

THIRTY-SEVEN varieties of apples and twelve of peaches were awarded premiums at the Minnesota State Fair. The Jewell Nursery Company and C. Wedge were leading exhibitors.

PARTIES owning 2500 acres near Galveston, Texas, are preparing to turn the property into a peach orchard and it is reported that the Alvin Nursery Co., Alvin, Tex., has made a contract to plant and cultivate the orchard for four years, turning it over to its owners in 1903.

American Pomological Society.

The state vice-presidents of the American Pomological Society, selected at the recent meeting at Philadelphia, are:

Arkansas, N. G. Vincenhiller, Little Rock; Connecticut, J. H. Hale, South Glastonbury; Delaware, Alexander Pullen, Milford; District Columbia, W. Saunders, Washington; Florida, G. L. Taber, Glen St. Mary; Georgia, P. J. A. Berckmans, Jr., Augusta; Illinois, H. M. Dunlap, Savoy; Indiana, J. Troop, Lafayette; Iowa, Charles G. Patten, Charles City; Kansas, W. H. Barnes, Topeka; Maine, M. M. Munson, Orono; Maryland, J. W. Kerr, Denton; Massachusetts, W. C. Strong, Waban; Michigan, C. J. Monroe, South Haven; Missouri, J. J. Evans, Harlem; New Hampshire, C. C. Shaw, Milford; New Jersey, Ira J. Blackwell, Titusville; New York, F. M. Hexamer, New York city; North Carolina, J. Van Lindley, Pomona; Pennsylvania, Howard A. Chase, Philadelphia; Virginia, George E. Morrell, Fontella; Vermont, F. A. Waugh, Burlington; West Virginia, H. W. Miller, Pawpaw.

A striking feature in connection with the literary part of the meeting was the entire omission of San Jose scale discussion. It is hoped that the San Jose scale, so far as a "time killer" at conventions is concerned, is dead and buried. There has too often been a useless waste of time on this subject, especially when the discussion got into the legislative rut.

One of the most important fruit displays was that made by Ellwanger & Barry, of Rochester, N. Y. This firm has always been famous for its success in growing pears and the collection shown annually at the meeting of the Western New York Horticultural Society has been a leading feature. It was fitting that the committee on awards should mark their appreciation of this fine pear exhibit by giving it a silver medal.

To westerners and northerners the nut exhibit by the Pomona Nurseries, Parry, N. J., was an instructive feature of great value. The best types of the Japan, Spanish and American chestnuts were represented by specimens of the leaves and fruit. The walnuts were also represented by samples of the Persian, English, Japanese and American species. This exhibit was also awarded a silver medal.

It was generally conceded that as an all-round hustler, Secretary Taylor should be given first rank. To him was due a great share of the credit of bringing out the younger coterie of horticultural experiment station workers. In this way the newer lines of scientific work were joined up with the older features of pomological interest. Among the younger men present were Beach, Corbett, Stinson, Whitten, Craig, Waugh and Irish. C.

Indianapolis.

TRADE GOOD BUT STOCK SCARCE.—VISITORS IN TOWN.—AN ACCIDENT.—A BEAR HUNT.—NOTES.

All along the line business is reported as increasing. The stores, especially, have been very busy. Flowers of good quality are rather scarce, as the outside stock suffered badly during the long drought. Roses which were planted early are just getting into crop, but it will be some time yet before any quantity of carnations can be cut. Good carnations were plentiful at this time last year, and found ready sale. In this vicinity early flowers are an important point in favor of indoor culture.

Last Saturday night a lady caught her foot in the hitching strap attached to John Heidenreich's horse and, in falling, was so badly injured that she was taken home in an ambulance.

James Gurney, of Tower Grove Park, St. Louis, was a recent visitor. The parks were shown to him by Robert McKain. Mr. Gurney was greatly interested in a bed of Acalypha Macafeena in University Park, of which "Mac" is especially proud.

Messrs. Heller, of New Castle, and Hill, of Richmond, also paid a visit to Indianapolis last week. Mr. Hill reported his gigantic carnation house as completed, and the Indianapolis boys are planing a trip to inspect it and other improvements of Mr. Hill's place.

J. C. Powers, park superintendent and president of the Society of Indiana Florists, has gone bear hunting to obtain some specimens for the bear pit in Riverside Park. Unlike ordinary hunters, he uses gold out of the city treasury instead of lead to secure his prey.

H. JUNGE.



Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free.

THE STORRS & HARRISON CO., Painesville, O.

Viburnum Tomentosum

A RARE AND BEAUTIFUL SHRUB.

HERBACEOUS PERENNIALS ...A... SPECIALTY

Price list and descriptive catalogue on application.

REA BROTHERS, Norwood, Mass.

For Parks, Cemeteries or Private Grounds,

we can furnish a very large and superior stock of

FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.

Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.

Remember we are Headquarters for Nursery Stock in the East.

Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.

SATISFACTION GUARANTEED. ADDRESS...

STEPHEN HOYT'S SONS, New Canaan, Conn.

HALF TONES
ZINC ETCHINGS
WOOD CUTS
ELECTROTYPES

J. MANZ & CO.

195-207 Canal St., - - - CHICAGO.

HIGH GRADE WORK.
PROMPT SERVICE.

HARDY SHRUBS.

Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

HARDY
Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

HEADQUARTERS FOR
HARDY ROSES.

We are now booking orders for Roses in large lots at REDUCED PRICES. Write for particulars.....

W. & T. SMITH CO., Geneva, N. Y.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

FIELD-GROWN

Carnation Plants.

	Per 100	Per 1000
SCOTT	$6.00	$50.00
DAYBREAK	7.00	60.00
BON TON	8.00	70.00

We would like a few good customers for our flowers. All the new varieties.

Steel Wire Plant Stakes.

The balance of our stock at reduced prices.....

H. F. LITTLEFIELD, Worcester, Mass.

CARNATIONS FOR SALE....

1000	SILVER SPRAY	$3.00 per 100
1000	PORTIA	3.00 "
500	SCOTT	3.00 "
100	DAYBREAK	3.00 "
100	TIDAL WAVE	3.00 "

$5.00 per 1000.

JAMES C. MURRAY, PEORIA, ILL.

CARNATION PLANTS.

Fine, strong, field-grown.

	Per 100		Per 100
800	Flora Hill	150 Argyle	$4.00
450	Bon Ton	125 Meteor	4.00
150	Scott	150 Mrs. Bradt	4.00
100	Gov. Pingree	130 White Cloud	4.00
90	Evelina	150 Silver Spray	3.00

E. HAENTZE, Fond du Lac, Wis.

SURPLUS CARNATIONS!

ALL VARIETIES SOLD BUT

...500 Jubilee...

medium to large, clean and healthy, $5 per 100.

Cash with order. W. SABRANSKY, Kenton, O.

DAYBREAK!

Extra fine field-grown plants, now ready for delivery—$6.00 per 100.....

JOHN McFARLAND,

NORTH EASTON, - - - MASS.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, Atco, N. J.

FINE Field-Grown **Carnation Plants**

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Bon Ton and Scott. **$4 00 per hundred.**

☞Cash with order please.

VAN WERT GREENHOUSES, Van Wert, O.

FIELD-GROWN

CARNATIONS.

Scott, Portia and McGowan, Only $4.50 per 100.

JACOB S. HANDTE, Calla, O.

Positively NO Rust.

FINE LARGE PLANTS.

	Per 100
1000 L. McGOWAN, 500 PORTIA	$3.50
1500 ELDORADO	4 00
250 KITTIE CLOVER	4.00
400 PINGREE	5.00
1000 DAYBREAK, second size	3.00

CASH WITH ORDER.

E. C. MARSHALL, Kennett Square, Pa.

Attention Growers!

We are in position to do particularly well with first-class METEOR and PERLE stock and desire to correspond with growers having prospects of a choice cut of these roses for the coming season.

E. C. AMLING, 51 Wabash Ave., CHICAGO, ILL.

W. S. HEFFRON, MGR. WHOLESALE CUT FLOWERS.

FIRST QUALITY FORCING ROSES!

Perfectly Healthy and Grown Especially for Late Planting.

Only selected growth from flowering shoots used in propagating.

SUNSET, SAFRANO, PRES. CARNOT, KAISERIN, METEOR, MAIDS, WOOTTON, PERLE, MME. HOSTE.

3-inch pots, $5.00 per 100; 4-inch, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

AMERICAN BEAUTY

Bridesmaid Perle. Bride. Sunset. Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

12,000 ROSES

occupy our propagating houses and must be moved at once to make room for 50,000 VERBENA and PETUNIA CUTTINGS In order to move this stock quick we will offer it at HALF VALUE for 30 days. Every plant guaranteed as fine as was ever knocked out of 3½ and 4-in. pots—4c.; $35.00 per 1000. The same, strong 2½ and 3-in., 3c.; $25.00 per M. Meteors, Maids, Brides, Perles, Kaiserin, strong, 3-in., at same price. The same, strong 2½-in. 3c.; $25.00 per 1000.

☞Cash. First come first served.

20,000 CARNATIONS, standard sorts, fine plants, $3 50 per 100.

SMILAX PLANTS, strong, ready to string up, at $1.00 per 100; fine cut strings, 6 to 8 ft. long, 15c each.

SOUTH SIDE FLORAL CO., Springfield, Ill.

ROSES.

500 BRIDES. 200 MAIDS. 100 AM. BEAUTIES.

From 3-inch pots.

1000 SMILAX, from 2½-inch pots.

All good strong plants, at a bargain.

JOS. LABO, Joliet, Ill.

ROSES

G. Van Bochove & Bro., Growers,

.....KALAMAZOO, MICH.

Fresh A No. 1 Stock.

TRY US.

ROSES.

BRIDE, BRIDESMAID, PERLE, WOOTTON, MME. CHATENAY,

3 and 4-in. pots, $4 per 100.

The above are all good, strong stock, fit for immediate planting.

EVENDEN BROS., Williamsport, Pa.

FINE FIELD-GROWN

Carnation Plants

SCOTT, PINGREE, MORELLO, PORTIA, FLORA HILL, DAYBREAK, McGOWAN, MRS. FISHER, ELDORADO, TIDAL WAVE. $3.00 per 100.

CASH WITH ORDER.

THE LAWRENCE GREENHOUSES, St. Marys, Ohio.

CARNATIONS.

FLORA HILL, DAYBREAK, SCOTT AND PORTIA, $5.00 per 100; $40.00 per 1000.

FERNS for Dishes, strong 2 and 2½-inch, $3.00 per 100; $27.50 per 1000. Maranta Massangeana, 2½-inch, $5.00 per 100; $40.00 per 1000.

Asparagus Plumosus, $4.50 per 100; $40.00 per 1000.

Asparagus Sprengerii, 3-inch $7.00 per 100.

Dracæna indivisa, strong, field-grown $15 per 100.

Gloire de Lorraine Begonia, 2½-inch pots, $2.50 per doz.; 3-in. $3.50 doz. C. Merkel & Son, Menlor, O.

WE ARE NOW CUTTING NEW

Brides, Maids and Beauties, also fine lot of Asters.

Still a few BRIDES, WOOTTONS, BEAUTIES; also SMILAX PLANTS. Write.

GEO. A. KUHL, Pekin, Ill.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices.

Send for prices. Cash with order.

SMILAX, fine young plants, $12.00 per 1000.

THE NATIONAL PLANT CO., Dayton, O.

ROSES. ROSES.

Maids, Brides, Wootions and Kaiserins, 3-in., fine stock, $5.00 per 100; $45.00 per 1000.

Maids, Brides, Wootions and Meteors, 2 and 2½-in., $3.00 per 100; $25.00 per 1000.

Robert F. Tesson, West Forest Park, ...ST. LOUIS, MO.

They Must Go.

Grand 3-inch BRIDES, METEORS, MAIDS, at 40 per cent. discount to close. This is really superb stock, bushy and full of shoots. Cheap only in price. If you mean business, write for free samples and price. This stock will make you good money.

W. H. GULLETT & SONS, Lincoln, Ill.

H. P. ROSES.

	Doz.	100.
Strong 2 year plants, own roots	$1.50	$10.00
Double white Poet's Narcissus		1.00
Monthly Roses from pots or open ground		8.00

PAEONIES for fall planting in choice assortment, $10 per 100.

CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

20,000 FIELD CARNATIONS

that must be sold: McGOWAN, PORTIA and SCOTT, fine healthy plants, $4.00 per 100; $35.00 per 1000.

5000 CALIFORNIA VIOLET CLUMPS, $3.00 per 100. MARIE LOUISE and LADY CAMPBELL pot-plants, $3 00 per 100. SWANLEY WHITE, $3.50. All healthy stock. Cash with order.

5000 clumps L. H Campbell Violets, fine, $5 100, $40 M.

BENJ. CONNELL, Florist, West Grove, Pa.

WANTED.

3000 field-grown VIOLET PLANTS of Lady Campbell, Farquhar and Marie Louise, most of the former variety. Address

CHAMBERS BROS., Toughkenamon, Pa.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Pittsburg.

After the club meeting Thursday night, September 14, the bowlers indulged in practice on the Davis alley. It was W. F. Kasting's last evening in Pittsburg and he made his farewell with the high score, 200, to his credit. G. O.

At New York.

At the meeting on Monday afternoon, September 17, officers were elected for the coming year for the New York Florists' Bowling Club, as follows: President, Patrick O'Mara; vice-president, Theo. Roehrs; secretary, J. W. Withers; treasurer, Alex. Burns; captain, Frank Traendly.

At Chicago.

Following the last club meeting, the bowlers indulged in two games, making the following averages:

Swigart	181	McKellar	130
Winterson	158	Henderson	115
Kreitling	145	Samuelson	106
Pruner	138	Degnan	97
Enders	137	Palinsky	78
Wilson	134	Reardon	73

Slowtown Items.

Brother O'Mara says he arrived at the scene of the last convention in time to welcome the boys from the "proverbially slow town." We might also add that he stayed long enough to congratulate them on their success. The race is not always to the swift, brother; it is endurance that counts.

The bowlers are putting in an idle hour or two on the alleys now and again. Thursday and Saturday evenings generally find a few of the faithful on hand, and some exciting games have taken place, although no match games are being recorded. High games for the past three weeks have been, Kift 221, Anderson 204 and Hamilton 213.

The last cricket match of the season is to be played at Stoke Pogis, Thursday, September 28. The train will leave Broad street at 1:15; wagons will take the cricketers to the field and the game will commence at once. K.

Detroit.

FLORISTS' CLUB RECEIVES MANY LETTERS AND RESOLUTIONS OF THANKS.—DROUGHT IS BROKEN AND PLANTING PROGRESSING. —PERSONAL MENTION.

Our club meeting on Wednesday evening was made very enjoyable by the reading of a great number of letters from other clubs and individuals in all parts of the country expressing thanks and appreciation of our efforts to make the convention pleasant and agreeable to them. Even a small part of the many very nice things said of us and our city would suffice to make us all feel proud and well satisfied with the results of our endeavors.

The drought was at last broken by copious rains on Monday and Tuesday and the ground is now in nice condition for lifting carnations, so that this work will soon be finished by all the local growers. At Woodmere, F. Kolbe is planting his new houses with 7000 carnations on solid beds, the principal varieties being Scott, Cerise Queen, Flora Hill and Tidal Wave.

Chas. Warncke is redecorating his office and equipping it with new cases and counters. He reports a fair trade for the season.

Dennis Conner, who has been spending the summer here, left September 17 for his home in Philadelphia, where he has secured a position.

Mrs. Geo. Rackham is recovering from the effects of a surgical operation.

J. E. Killen was a visitor this week. J. F. S.

1200 WM. SCOTT,

FINE, FIELD-GROWN PLANTS, $2.50 per 100.

CASH WITH ORDER.

John Van der Wal

1730 W. 107th St., CHICAGO.

FIELD-GROWN CARNATION PLANTS

Strong, healthy stock now ready.

	Per 100
MELBA, AMERICA, MAUD ADAMS, G. H. CRANE	$12.00
MRS. JAS. DEAN	8.00
ARGYLE	7.00
TRIUMPH	6.00
CERISE QUEEN	6.00
FLORA HILL, WM. SCOTT, EVELINA, ARMAZINDY	$40 per 1000, 5.00
LIZZIE McGOWAN, small	4.00

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St.

CHICAGO: 84-86 Randolph St.

Greenhouses: Western Springs, Ill.

CARNATIONS!

I can supply you the best standards as well as novelties.

Write for price list.....

S. S. SKIDELSKY,

1653 No. 7th St., PHILADELPHIA.

CARNATION PLANTS.

Scott, Helen Keller, Tidal Wave, Sweet Brier, Storm King, Kohinoor, Outcast, Victor, Daybreak, Meteor, —$4.00 per 100.

The above are all No. 1 plants and in good shape, no culls.

EVENDEN BROS., Williamsport, Pa.

Carnations FIELD GROWN

HEALTHY, GOOD STOCK.

EVANSTON, $8.00 per 100.

DAYBREAK, PINGREE, PORTIA, KOHINOOR, $3.00 per 100.

A. G. PRINCE & CO.,

76 & 78 Wabash Ave., CHICAGO, ILL.

CARNATION PLANTS. STRONG FIELD GROWN.

	Per 100	Per 1000
FLORA HILL	$5 00	$45.00
EVELINA	5.00	40 00
McGOWAN	3.00	25 00
ALASKA	3.00	25 00
ARMAZINDY	5.00	40.00
PINGREE	3.00	25.00
McBURNEY	5.00	40 00
TIDAL WAVE	3.00	25 00
ARGYLE	5.00	40.00
SCOTT	3.00	25.00
PORTIA	3 00	25 00
NANCY HANKS	3.00	25.00
KOHINOOR	3.00	25.00

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS.,

51 Wabash Ave., CHICAGO.

30,000 FIELD-GROWN CARNATIONS

STRONG AND HEALTHY PLANTS.

New York, Frances Joost, $7.00 per 100.

Victor, Daybreak, Genesee, Freedom, $6.00 per 100; $50.00 per 1000.

Bon Ton, Wm. Scott, Ferd Mangold, Empress, McGowan, Alaska, $5.00 per 100; $45.00 per 1000.

Ask for samples at 100 price. Cash with Order.

S. J. REUTER, - Westerly, R. I.

Surplus Stock of A No. 1

FLORA HILL CARNATIONS. Field-grown, clean and healthy, at $5.00 per 100; $40.00 per 1000.

VICTOR, EMPRESS and BON TON, at same price.

McGOWAN, at $3 per 100; $25 per 1000.

Cash or satisfactory reference with order.

W. E. HALL, Clyde, Ohio.

STRONG FIELD-GROWN

CARNATIONS

WM. SCOTT, L. McGOWAN, TIDAL WAVE, SCARLET WAVE, VICTOR AND ALASKA.

Ask for prices.

J. H. FIESSER, West Hoboken, N. J.

FIELD-GROWN CARNATIONS.

Strong Plants, Free From Rust.

PINGREE, ALBERTINI, IVORY, WM. SCOTT, PORTIA, EVELINA, McGOWAN,

$3.50 per 100. Cash with order.

GEORGE A. HEINL, Toledo, Ohio.

115,000 FIELD-GROWN CARNATION PLANTS

Our plants are very large and stocky, perfectly healthy, free from dry leaves, etc.

	Per 100	Per 1000
WM. SCOTT	$4.00	$30.00
McGOWAN	4.00	30.00
PORTIA	4.00	35.00
ELDORADO	4.00	35.00
FISHER	$4.00	$35.00
DAYBREAK	5.00	45 00
ANNA WEBB	5.00	45.00

Our prices are very low and are for CASH only.

EDW. J. TAYLOR, Southport, Conn.

CARNATIONS FROM THE FIELD.

MELBA, a few thousand extra fine plants, $12.00 per 100.

MRS. JAS. DEAN, in extra fine shape first size, $10 per 100; second size, $8.

FLORA HILL, fine large plants, $8.00 per 100; second size, $6.00 per 100.

VICTOR, fine large plants, $8.00 per 100; second size, $6.00 per 100.

JUBILEE, ARMAZINDY, GOLD NUGGET, FANCES JOOST, and LILY DEAN, excellent plants, $8.00 per 100.

ROBT. CRAIG & SON, Market and 49th Sts., PHILADELPHIA.

CARNATION CUTTINGS
ALL SOLD.

We are now booking orders for fall delivery; fine plants from the field. Guaranteed strong, vigorous plants free from disease, of all leading varieties.

WRITE US YOUR WANTS.

ASPARAGUS SPRENGERII, in 3, 4 and 6-in. pots. BABY PRIMROSE, 4-in. pots. DRACÆNA INDIVISA, 5 and 6-in. pots. Liberal discounts for liberal orders. All shipments will be well packed. We will endeavor to please you. Send in your orders early. Write us your wants; we can supply them.

LAKE VIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms.
JAMESTOWN, N. Y.

FIELD-GROWN
Carnations!
...SEPTEMBER DELIVERY AND LATER.

We have a very large stock, including

G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN

in good, healthy condition. Send for price list.

F. Dorner & Sons Co., La Fayette, Ind.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

Carnations...
FIELD-GROWN, A1 STOCK.

Scott, Flora Hill, Portia, McGowan, Ivory and Pierson; also a few Harrison's White, Rose Queen, Goldfinch and Morello. Plants in two sizes: Medium, at $3.00 per 100; large, at $5.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

CARNATIONS now ready. Daybreak, Scott, McGowan Eldorado, Portia, Bridesmaid, Jahn's Scarlet, T. Cartledge, A. Webb, C. A. Dana, Morello, Meteor, $4.00 per 100. CASH.
D. R. HERRON, Olean, N. Y.

FIELD-GROWN
CARNATIONS!

Strong plants, clean and ready for immediate planting.

	Per 100	Per 1000		Per 100	Per 1000
TRIUMPH	$5.00	$45.00	MAYOR PINGREE	$3.50	$30.00
FLORA HILL	5.00	45.00	EVELINA	3.50	30 00
ARGYLE	4.00	35.00	McGOWAN	3.50	30.00
ARMAZINDY	4.00	35.00	ALASKA	3.50	30.00

Wietor Bros., 51 Wabash Ave., Chicago.

When writing mention American Florist.

4 Acres Field-Grown Carnation Plants, 100,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and packed light by our improved system of packing, by which we can send to all parts of the United States in perfect condition.

WHITE CLOUD $2.00 per dozen; $10.00 per 100.

MAYOR PINGREE	BUTTERCUP	$1.50 per dozen; $8.00 per 100.	
C. A. DANA	ARMAZINDY	STORM KING	FLORA HILL
CRIMSON SPORT	DAYBREAK	JUBILEE	METEOR
CAPTAIN KING	HELEN KELLER	TRIUMPH	ELDORADO
	$1.25 per dozen.	$6.00 per 100.	
McGOWAN	L. L. LAMBORN	SWEETBRIER	IVORY
MRS. FISHER	BRIDESMAID	PORTIA	ABERTINI
WM. SCOTT	$1.00 per dozen.	$5.00 per 100.	

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety size, beauty of coloring or freedom of bloom by any others grown. Price 50 cts. per 100; $4.00 per 1000.

J. L. DILLON, BLOOMSBURG, PA.

CARNATIONS
Field-grown plants, medium to large.

	Per 100		Per 100
MELBA	$12.00	STORM KING	$5.00
JUBILEE	6.00	WELLESLEY	5.00
ALBERTINI	6.00	MRS. F. JOOST	6.00
PINGREE	6.00	FIREFLY	5.00
MRS. DUHME	6.00	ARGYLE	5.00
McBURNEY	6.00	EVELINA	7.00
TRIUMPH	7.00	EMPRESS	7.00
HECTOR	8.00	WM. SCOTT	6.00
ARMAZINDY	6.00	JOHN YOUNG	6.00
PORTIA	5.00	UNCLE JOHN	6.00

H. WEBER & SONS, Oakland, Md.

Carnation Plants.
EXTRA FINE FIELD-GROWN STOCK, Ready Sept. 1st.

	Per 100	Per 1000
FLORA HILL	$6 00	$50.00
DAYBREAK	5.00	40.00
TRIUMPH	5.00	40.00
WM. SCOTT	4.00	35.00
GENESEE	4.00	35.00
McGOWAN	3.00	25.00
METEOR	4.00	35.00

We have over 20,000 of the above varieties to dispose of. Cash with order.

W. A. WETTLIN, Hornellsville, N. Y.

Pittsburg.

STATE OF THE MARKET.—FIRST CHRYSANTHEMUMS.—KASTING SELLS OUT.—OTHER MATTERS OF INTEREST.

The cut flower stores show a little more activity this week. The quantity of flowers has also improved. Some white chrysanthemums have made their appearance, Fred. Burki sending in the first lot, which found ready sale at $3 per dozen. Some extra fine Bride and Bridesmaid roses are sent in from the Oakwood Rose Gardens. Prices are about the same as for the previous week.

A meeting of the Pittsburg and Allegheny Florists' and Gardeners' Club was held on September 14. It was decided there would be no picnic this year, but the club will give a banquet or dance in the near future. Secretary Langhans was instructed to express to the Cleveland and Detroit clubs the gratitude and thanks of the Pittsburg and Allegheny Florists' Club for the courtesy and hospitality shown them during the recent convention. Charles Beckert, Allegheny, was proposed for membership.

W. F. Kasting has sold his wholesale commission business known as W. F. Kasting & Co. to Geo. L. Huscroft, of Steubenville, Ohio, who will give it his personal attention.

J. B. Ferguson, had his opening last Saturday, and expressed himself well pleased with the prospects from the amount of business done. G. O.

SAGINAW, MICH.—August Buchholz was found dead in the cellar at Wm. Roethke's greenhouses and the indications were that he had been killed by contact with an electric wire. He was twenty-two years old and served in the Spanish war in the Thirty-third Michigan volunteers.

Carnations

	Per 100
VICTOR, large plants	$5 00
WM. SCOTT, "	5.00
ARMAZINDY, "	5.00
MRS. JOOST, small plants	4.00
MRS. BRADT	5.00
GOLD NUGGET	5.00
EVELINA	3 00
DAYBREAK	3.00

CHICAGO CARNATION CO.

Greenhouses and Address, JOLIET, ILL.



CARNATIONS

Fine, large, stalky plants. None better. Guaranteed to please you.

	Per 100
Flora Hill	$4 & $5.00
Morello	4 & 5.00
Mayor Pingree	3 & 4 00
Daybreak	3 & 4 00
Scott	3 & 4.00
McGowan	2.50 & 3 00

A few hundred SMILAX left, very strong, 2-inch, to close, $1 00 per 100. Low express rates.

C. HUMFELD, Clay Center, Kans.

Roses, Violets, Carnations,

Meteors, 2½-in. pots, per 100	$4 00
Bridesmaids, 3-in. stock, "	5.00
Kaiserin, 4 " "	8.00
in 2½-in. pots	3.00
field-grown	
...$40.00 per 1000; "	5.00
field-grown, ready after Sept. 1st, all the leading varieties—$5.00 per 100, $40.00 per 1000.	

W. F. KASTING,
481 Washington St., BUFFALO, N. Y.

...CHINESE...

PRIMROSES!

Extra strong, ready for 3-in. pots; well known throughout the U. S. and Canada as the finest large flowering fringed varieties grown. SPECIAL PRICES: SINGLE and DOUBLE in choicest assortment of named colors, $2 per 100, $17 per 1000; 250 at 1000 rate. Extras added liberally to help pay expressage.

PRIMULA Obconica Grand. Rosea, clear pink, the finest of all Obconicas, extra, $3.00 per 100.

PRIMROSE SEED of best 13 varieties, single and double, mixed, 400 seeds, $1; half pkt., 50 cts.

....GIANT PANSY SEED.....

The best of mammoth varieties; no finer ever offered; all the seed plants critically selected; Pkt., 3500 seeds, $1.00; half pkt., 50 cts. A pkt. of new Forget-me-not "Jewel" added to every order for seeds.

STRICTLY CASH PRICES.

THE HOME OF PRIMROSES. JOHN F. RUPP, SHIREMANSTOWN, PA.

TRY SOMETHING NEW IN YOUR WINTER BLOOMING

ERICAS,

plants, all pot grown, set with bud, handled as easily as an azalea with similar treatment.

CASH PRICES FOR OCTOBER DELIVERY:

ERICA MELANTHERA	4-in.,	per 100,	$20.00;	per 1000,	$180.00
" PERSOLUTA ALBA	"	"	18.00;	"	150 00
" " ROSEA	"	"	18.00;	"	150 00
" REGERMINANS	"	"	18.00;	"	150 00
" CUPRESSIANA	"	"	18.00;	"	150.00

Larger sizes and other varieties at reasonable prices.

H. D. DARLINGTON, FLUSHING, LONG ISLAND, N. Y.

	Per 100
ASPARAGUS SPRENGERII, 2½-inch pots	$6.00
ASPARAGUS TENUISSIMUS, 2½-in. pots	4 00
CAREX VARIEGATA, 2½-in. pots	5 00
BEGONIA REX, 5-in. pans	10.00
" " 3-in. pots	5.00
PRIMULA (Chinese), Obconica fimbriatum and Obconica hybridum, 2-in. pots. $2.50 per 100; 3-in. pots	5.00
CYCLAMEN, finest strain, in 4 colors, 2½-inch pots	5.00

☞ All of the above plants are in fine condition and are sure to give satisfaction.

NATHAN SMITH & SON,
ADRIAN, MICH.

PANSIES.

Roemer's Superb Prize Pansies

This improved strain includes all the leading novelt es, strong bushy plants, ready now, 60c. per 100, by mail; $2 per 500, by express; $4 per 1000; $7 per 2000; $10 per 3000; $15 per 5000. ☞ Cash with order.

PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.

CLOSING OUT SALE CHOICE STOCK.

2½ & 3-in. Coleus, 14 varieties	$1 00 per 100
2½-inch Salvia Splendens	1 00 "
2½-inch Double Petunias	1 25 "
2½-inch Weeping Lantana	1 25 "
3-inch Asparagus plumosus nanus	5.50 "
" " seedlings, fine	3.00 "
Moonvines, rooted cuttings	.50 "
2½-inch Heliotrope, 4 varieties	1.00 "
" rooted cuttings	.50 "
2500 Alternanthera, 3 vars., strong	2.25 per 1000

CRIFFIN FLORAL CO., Griffin, Ga.

FOR SALE.

1000 strong 2-in. PRIMULAS.....per 100, $2.00
500 " 3-in. & 4-in. " " $6 & 8.00

Select strain; stocky, clean plants.

JAMES C. MURRAY,
401 Main St. PEORIA, ILL.

500 BOSTON FERNS.

Nice plants from bench ready for 6-in. pots, $3.00 per dozen.

VIOLETS, MARIE LOUISE, field-grown, $3.50 per 100.

J. W. DAVIS, - Morrison, Ill.

Tell your wants in the American Florist.

HERR'S PANSIES

PLANTS in abundance from now until March; no danger of your order not being filled promptly and less danger of your not being pleased with the strain; it is the best in the market—the best florists say so.

PLANTS ONLY.

Free by mail, 75c per 100; 250 for $1.50; 500 for $2.50. By express, $4.00 per 1000.

ALBERT M. HERR,
LANCASTER, PA.

Horticultural Building

....OF THE

OMAHA EXPOSITION

We have just purchased the entire contents of the Omaha Exposition which includes all the **plants** in the Horticultural Building. If you are interested, write for particulars. We also have large quantities of lumber and material of all kinds. Write for catalogue No. 100. *Address*

CHICAGO HOUSE WRECKING CO.,
OMAHA, NEB. or CHICAGO, ILL.

OVERSTOCK MUST BE SOLD

to make room: **Sword Ferns**, 2 and 2½-in.; **D. Furcans**, 2½-in.; **Selaginella Emiliana**, 2-in.; **A Sprengerii**, 4-in., and **Begonia Aurea Maniacata**, 2 and 2½-in. Will sell cheap for cash or will take a few Brides, Maids, Perles and Wootton's or bulbs in part exchange. Also to close out, **100 Choice Cacti** in variety and a lot of **Bougainvillea**, 4, 5 & 6 in., fine, bushy plants.

DELAVAN GREENHOUSE,
N. O. CASWELL PROP. ...Delavan, Ill.

ACALYPHA SANDERI...

2½-inch plants.....$12.50 per 100
3-inch plants.....$18.00 per 100

RAMBLER ROSES. Yellow, White and Pink, strong 2 year plants, $10.00 per 100

The Conard & Jones Co., West Grove, Pa.

BROWALLIA GIGANTEA.

Fine plants to grow on for your Xmas trade.

Rooted cuttings	$2.00 per 100
Out of 2½-inch pots, bushy	4.00 "
Out of 3½-inch pots, bushy	6 00 "

Samples for 10 cts. in stamps.

HENRY EICHHOLZ, Waynesboro, Pa.



BOSTON FERNS.

THE true stock. Full and compact plants, not over-drawn. We can ship reasonable distances by freight. Order now for your Fall Sales.

Strong plants from 2	-in. pots	per 100, $4.00;	per 1000, $35.00
" " " 2½	"	" 6.00;	" 50.00
" " " 3	"	" 10.00;	" 85.00
" " " 4	"	" 25.00;	" 200.00
" " " 5	"	per doz., 5.00;	per 100, 40.00
" " " 6-in. pans		" 6.00;	" 50.00
Fine Specimen Plants	7 "	" 9.00;	" 70.00
" " "	8 "	" 12.00;	" 90.00
" " "	9 "	" 18.00.	
" " "	10 "	each, 2.00.	
" " "	12 "	" 3.00 to 5.00.	

Our large stock of **PALMS, ARAUCARIAS, ETC.** are also in the best possible condition. If you are in the market for Palms, write us for our Special Price List, now ready.

BAY TREES, in extra fine condition. All sizes. Write for prices.

POINSETTIAS. Just the stock for Xmas flowering. Strong, stocky plants in 3-in. pots—per 100, $6.00; 4-in. pots,—per 100, $10.00.

14 Barclay Street, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 Randolph St., CHICAGO.

Greenhouses: WESTERN SPRINGS, ILL.

Please mention American Florist when writing.

A NEW DECORATIVE PLANT,

Cryptomeria Japonica

(Japan Cedar),

As handsome as Araucaria Excelsa, but more graceful and more easily grown.

4-in. pots, $15 per 100; 2½-in. pots, $9 per 100.

Hydrangeas OTAKSA, RID BRANCHED, THOS. HOGG,

4 to 6 crowns, $10 per 100; 2-3 crowns, $7 per 100.

Asparagus Sprengerii, 4-in. pots, 9 "
2½ " 5 "

JACKSON & PERKINS CO., NEWARK, NEW YORK.

BEGONIAS

Assorted varieties from 2-in. pots.

$2.00 per 100.

EXTRA STRONG.

GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**

CASH, PLEASE.

Edward B. Jackson,

STAMFORD, CONN.

ASPIDIUM TENSEMENSE,

Nice stock in 3½-in. pots.

DRACÆNA TERMINALIS, fine specimens.

BEGONIA GLOIRE DE LORRAINE.

WRITE FOR PRICES.

...William W. Edgar, WAVERLY, MASS.

FICUS ELASTICA BELGICA.

Fine perfect plants, 4 to 6-in. pots, at $2.50 to $12.00 per dozen.

CARNATIONS, McGowan, 4 to 8 leads, @ $4 per 100

CHINESE PRIMROSES, 3-in. pots, @ $4 per 100.

J. D. IMLAY, Zanesville, O.

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15,000 Latania Borbonica.

Fine plants of exceptional value, viz.:

	Per 100	Per 1000
2 character leaves, 12-15 inch	$15.00	$125.00
2-3 " " 4-in. pots, 15-18 in.	20.00	150.00
4-5 " " 5-in. pots, 18-20 in.	25 00	
5-6 " " 5-6 in. pots, 18-20 in.	40.00	

CALADIUMS....

Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...

The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.

12-15 inch.....$12 00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach, A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS.
350 ACRES IN NURSERY STOCK.

Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,

Fruitland Nurseries, AUGUSTA, GA.

PALMS FOR STOREKEEPERS

Do you want nice low stocky plants, such that don't get yellow for you or your customers? We will send such stuff as we showed at the convention.

		Per Doz.	Per 100
Latania Borbonica.	3-in. pots	$1.50	$11.00
	4 "	3.00	22.00
	5 "	4.00	31.00
	5½ "	5.00	38.00
	6 "	9.00	88 00
	7 "		96.00
	8 "	22 00	175.00
Kentia Belmoreana or Forsteriana....	5 "	9-12	72-98
	5½ "	12-15	96-120
	6 "	18-24	145-175
	7 "	30-48	250.00
Sword Ferns.....	4 "	1.25	9 00
	5 "	2 40	18 00

Bostoniensis 9c. to $2.00 each.

Umbrella Plants, extra fine.....	4-in. pots	1.00	7.00
	5 "	1.75	13.00
	5 "	5.50	43 00
Rubber Trees.....	6 "	9.00	70.00
" " branched.....		$1.50-$3.00 apiece	

Areca Lutescens, Cycas Revoluta, Pandanus Utilis and Veitchii, etc. We carry a clean, cool-grown stock of over 150,000; we sell for cash only; we allow inspection at express office; have hundreds of letters of thanks for prompt and excellent service. Order now and pay only freight.

We sell for cash only, BUT, allow, etc.

ALBERT FUCHS, Estab. 1884. Only western florist who took medal on Palms. World's Fair, 1893.

2059-73 N. Halsted St., CHICAGO.

VIOLETS

Field-grown **MARIE LOUISE.** Strong and healthy, at $3 00 per hundred.

H. HILLS, Baraboo, Wis.

DRACÆNA INDIVISA.

100 4-inch plants, cheap.

SMILAX, strong plants, 2½-in. $2 per 100

Carnation Plants.

FLORA HILL	$6.00 per 100
TIDAL WAVE	3.00 "
PORTIA	3.00 "
SILVER SPRAY	3.00 "
WM. SCOTT	3.00 "

GEORGE SOUSTER, Elgin, Ill.

Please mention American Florist.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for..... $1.00
12 strong plants, 3-in. pots, for.... 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots..... 18.00

Price for 100 or more on application.

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Good Hope, WASHINGTON, D. C.

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DRACAENA INDIVISA CLUMPS

from open ground; fine stuff, ready for 6, 7 and 8-inch pots, 10c, 15c and 20c each.

SMILAX, fine 2-inch stock, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

CASH WITH ORDER.

ADIANTUM CUNEATUM.

SELECT STOCK,

3-inch pots.....$6 per 100, $55 per 1000

M. A. HUNT FLORAL CO.,

P. O. Box 235. TERRE HAUTE, IND.

Always mention the American Florist when you order stock.

Buffalo.

TRADE OF THE WEEK CONFINED TO FUNERAL WORK.—CHANGES AMONG RETAILERS.— WEDDINGS IN PROSPECT.— NOTES.

The rain cut off trade early this week, except funeral work, the obsequies of J. F. Schoelkoff and Ald Chas. Kiefer calling for many designs.

There have been numerous changes in employes in the several retail stores. Kemmeler, from Palmer's, is now at Rebstock's, where many improvements are being made. Porter is at Scott's and "Joe," from Anderson's, is at Palmer's.

S. A. Anderson will wed one of Buffalo's fairest daughters early next month and Carl Kumpff's nuptials will be an event of this week.

Geo. Schmid, formerly with Kasting, is now with the Westinghouse Electrical Co., Pittsburg. W. A.

Salem, Mass.

Several years ago Mrs. J. M. Julyn took hold of the establishment of L. W. F. Dodge and has built it up remarkably. She now has a business which is, to say the least, a credit to her. I spent a very pleasant half hour looking over the place in company with Mrs. Julyn's proficient assistant, Dennis McNamara. They have five houses, steam heated, in which they grow a general stock for retail. There is a fine bench of Boston fern and the carnations are all planted. Violets will be a specialty this season, Mr. McNamara being one of the best growers of this very popular flower. Business is good.

At John Mack's, at Beverly, I found repainting in progress. TAP.

PRIMROSE

	Per 100.
CHINESE PRIMROSES, ready for 3-in. pots	$1.75
OBCONICA Grandiflora, " " " "	2.00
" " Rosea " " " "	2.50
FORBESII, " " " "	3.00
ASPARAGUS SPRENGERII, 2½-in. pots	4.00
CARNATIONS, field grown	4.00
PANSY PLANTS	$2.50 per 1000; .50

☞CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

CHEAP FOR CASH

ALL IN FINE CONDITION.

	Per 100
PTERIS TREMULA, 2¼-inch pots	$3 00
PTERIS SERRULATA, 2¼-inch pots	3 00
PTERIS CRETICA, 2¼ inch pots	3 00
CUPEA'S ALTERNIFOLIUS 2¼-inch	3 00
DRACÆNA INDIVISA, 3-inch pots	3.00

WM. SCHLATTER & SON,
437 Bay Street, SPRINGFIELD, MASS.

Azaleas, Bay Trees, Palms, Araucarias,

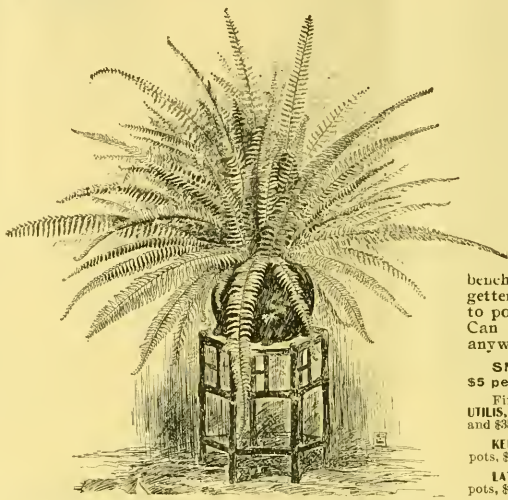
stock enormous, quality the finest.

SANDER, Bruges, Belgium.
AGENT: A. DIMMOCK,
60 Vesey Street, - - - NEW YORK.

ASPARAGUS Sprengerii	2½-in., $5.00 per 100
Asparagus Plumosus, 2½-in.	5.00 "
NEPHROLEPIS Cordata Compacta, 2½-in., fine	5 00 "
Nephrolepis Bostoniensis, 2½-in.	5 00 "
GERANIUMS S. A. Nutt, etc., 2½-in.	2.50 "
SMALL FERNS, for dishes, "	4.00 "
ACALYPHA SANDERI, 4-in., 25c., $2.50 per doz.; 6-in., 75c.; $8 per doz. Cash please.	

CARL HAGENBURGER, W. Mentor, O.

THE BOSTON FERN!



Elegant Specimen Plants

of this beautiful decorative fern for 7, 8 and 10-inch pots, spread 4 to 6 feet, at 50c., 75c. and $1.00 each, and smaller ones at 20c. and 25c. each for 5 and 6-in. pots. Cut from bench. No better money getter. Send orders now to pot up for fall sales. Can be safely shipped anywhere in the U. S.

SMALL PLANTS, $5 per 100..$40 per 1000.

Fine stock of PANDANUS UTILIS, 4½ and 5-in. pots, @ $25 and $35 per 100.

KENTIA BELMOREANA, 4-in. pots, $25 per 100.

LATANIA BORBONICA, 4-in. pots, $25 per 100.

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Cyclamen Giganteum IN.... VARIETY.

FINE PLANTS in
2½-in. pots.....$4.00 per 100
3 " 8.00 "

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Money order office, Chestnut Hill (Sta. H.) Philadelphia, Pa.

Wyndmoor, Chestnut Hill, PHILA.

PLANTS. # ..PANSIES.. SEEDS.

....THE JENNINGS STRAIN....
Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100 by express, $1.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.

☞ CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

Orchids!

JUST ARRIVED IN FINE CONDITION, a fresh shipment of *Cattleya labiata* and *C. Speciosissima*, also a limited quantity of *C. Gaskelliana*. ☞ Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. Palms and Decorative Plants in Quantity, all sizes and prices. New price list will be ready Sept. 15th.

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Please mention the American Florist.

PRIMROSES AND PANSY PLANTS.

	Per 100	Per 1000
44,000 Primulas, Alba, Rubra and Mixed, 2¼-inch	$2.00	$18.00
14,000 Primulas, Obconica and Japonica alba, 2¼-inch	2.00	18.00
4,000 New Yellow Baby Primrose, 2¼-inch	10.00	90.00
24,000 Pansy Plants, large flowering (large)		5.00
14,000 Petunias, Double and Fringed, mixed, 22 varieties, 2¼-inch	3.00	25.00
1,000 New Geranium De Roo Mitting		Per Doz. $1.20
200 Asparagus Plumosus, 6-inch		3.00
1,000 Lycopodium Dent. 2½-in.	2.00	
1,000 Pelargonium The Queen, 2¼-inch	3.00	
1,000 True Maidenhair Fern, 2½-inch	5.00	

THE MORRIS FLORAL CO.
MORRIS, ILL.

Special Quotations.

CYCLAMEN Persicum Splendens Giganteum, finest strain in the world in four true colors, extra well grown plants from 3-in. pots, $7.00 per 100, $65 per 1000. Mixed our selection, $6 a 100; $55 a 1000.

CHINESE PRIMROSES (fringed foliage), best market varieties from flats, $1.75 per 100; from 2-in. pots, $2.00 from 3-in. pots, $5.00 per 100. Double white and red from 3-in. pots, $6.00 per 100. Single blue, same price. Satisfaction guaranteed.

PAUL MADER East Stroudsburg, Pa.

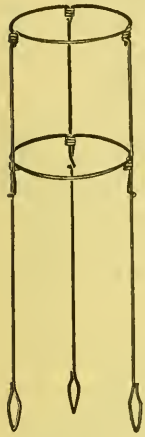
SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER,
Brooklyn, N. Y.
Dear Sir:—Your Model Carnation Support is all I think in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

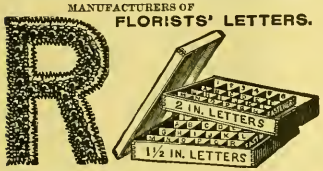
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Feb 18 '97.
MR. THERON PARKER,
Dear Sir:—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLE & OUZE BROS.

W. HOBOKEN, N. J.,
Feb 18 '97.
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Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up a carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing you every success in the sale of them, I am
Yours truly, E. ASMUS.

Straight Galvanized Steel Rose Stakes
AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

Boston Florist Letter Co.
MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $5.00.
Script Letters, $4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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"NICOMITE"
(PATENT)
Vapor Insecticide
No labor required. Harmless to bloom and foliage. A certain killer of
RED SPIDER, GREEN FLY
and all other Insect Pests.
SOLD BY SEEDSMEN.
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SHEEP MANURE Thoroughly pulverized and ready for immediate application. ☞ Special prices to Florists and Seedsmen in lots of 20 tons and up.
Testimonials from Agricultural Department University of California. Send for sample.
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FRESNO FERTILIZER WORKS, FRESNO, CAL.

"MESSRS. H. BAYERSDORFER & CO.,
Gentlemen: Please send us a list of Florists' Supplies, marking such goods in the list as you regard as especially desirable in stocking up a first-class florists' establishment, such as you know we propose to conduct here. We have been advised to apply to you in this way and shall rely largely on your advice.
Respectfully Yours, — — ——"

TO DEVELOP THE PUBLIC PATRONAGE
offer the goods of the season, as is done in all other lines of fine retail trade.
We can supply you wisely, for by long experience we know what stock to carry and where to get it at best figures. We also manufacture largely of special goods that you can get nowhere else.
Now is the time to select your Baskets, Vases, Ferneries, Lace Handkerchiefs, Birds, Grasses, Dried and Artificial Flowers and all the knick-nacks of a complete Florists' Outfit.
H. BAYERSDORFER & CO., 50-52-54-56 NO. FOURTH ST., **Phila., Pa.**

ATTENTION IS NOW ASKED TO
Long's FLORAL DESIGNED AND UP-TO-DATE STATIONERY
LETTER AND BILL HEADS, ANNOUNCEMENTS, FOLDERS, BOOKLETS, BLANKS, Etc.
DISTINCTIVE AND ADAPTABLE. 20 Samples for 10 cts. in stamps.
DAN'L B. LONG, Publisher, Buffalo, N. Y.

M. RICE & CO.,
EXCLUSIVE IMPORTERS AND MANUFACTURERS OF..... **Florists' Supplies.**
New Illustrated Catalogue Free for the Asking. 918 Filbert St., PHILADELPHIA.

TOBACCO DUST
BY CAR LOADS, ETC.
Now is your time, while I have a surplus, to get your supply, **to the trade only,** at $12 per ton in car lots of 12 tons; 2000 lbs., $14; $7.50 for 1000 lbs.; $4 for 500 lbs.; $1 per 100 lbs. Mixed Dwarf CANNA BULBS, ready this fall, $7 per M. The above prices are for cash only...
M. T. THOMPSON, RIO VISTA, VA.

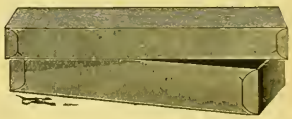
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Manufacturer of **Florists' Supplies**
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2 AND 4 DOMINICK STREET,
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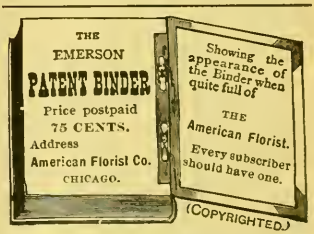
REED & KELLER.....
Florists' Supplies
122 W. 25th St., NEW YORK CITY.

CABBAGE PLANTS.
Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.
PARSLEY, strong plants 35c per 100; $2.50 per 1000; if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*
R. VINCENT, Jr. & SON, White Marsh, Md.

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,
DAYTON, OHIO.



When corresponding with advertisers, mention the AMERICAN FLORIST.

Peoria, Ill.

There is in Peoria some 120,000 square feet of glass, owned principally by Cole Bros., J. C. Murray and C. Loverage. Cole Bros. have the largest place, some 75,000 feet. Murray has 25,000 and Loverage 20,000, with three smaller places.

Carnations in this section are looking well and nearly all are in the benches. Cole Bros. lead with six houses and have on trial most of the new varieties. They have 100 plants of a very nice sport of Tidal Wave, pure white and very prolific. Their Beauty house has made a good showing and promises well with its 3,000 plants. They have seven houses of teas.

At Murray's a house of carnations benched in August is coming along in fine shape. They are the standard kinds, about 5,000, with some new ones on trial. Mr. Murray's houses have all been repainted and repaired throughout.

C. Loverage, the new florist, has everything spick and span with all the latest ideas in rose houses, for he makes a specialty of roses. His plants look well, especially the grafted ones. He grows 4,000 carnations. PEORIAN.

London, Ont.

The horticultural department of our Western Fair was the best on record, and although it lasted ten days the plants looked well to the end. Gammage & Son were the principal exhibitors and succeeded in winning seventeen first, three second and three third prizes. A. H. Ewing, of Berlin, judged the plants, and J. H. Dunlop, of Toronto, the cut flowers. Gammage & Son also put up a trade exhibit, from which they took a large number of orders.

E. Meredith is busy building a carnation house, Dicks has finished his planting and others are in the midst of carnation benching. Stock all around is good and the indications are that trade will be better than ever. W. G.

USE GEO. M. GARLAND'S

CAST IRON GUTTER

AND PROFIT BY THE EXPERIENCE OF OTHERS.

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CANE STAKES

From 6 to 10 feet long,

$2.50 PER THOUSAND.

CASH WITH ORDER.

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THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,

HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

STANDARD FLOWER POTS

	FIRST QUALITY.		CREAM COLOR.	
1¾ in., per 1000	$2 40	3½ in., per 1000,	$ 4 95	
2 in., "	2 75	4 in., "	6 20	
2½ in., "	3 35	5 in., "	10 80	
3 in., "	4 70	6 in., "	16 50	

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

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Write for Circulars or Estimates.

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REAL ESTATE, PIPE, BOILERS, GLASS, FITTINGS, ETC.

Obtain our prices before placing your orders. We have some excellent bargains in greenhouse establishments.....

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IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS. ENDORSED BY PROMINENT FLORISTS. USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT. 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN. CIRCULAR FREE.

SKABCURA DIP CO. CHICAGO.

Kill and Save the Blooms Bugs!

QUICKLY DOES IT.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate			Price per crate
1500 2-in. pots in crate,	$4 88	120	7-in. pots in crate,	$4 20
1500 2½ " "	5 25	60	8 " "	3.00
1500 2¾ " "	6.00	48	9 " "	3 60
1000 3 " "	5 00	48	10 " "	4.80
800 3½ " "	5.80	24	11 " "	3.60
500 4 " "	4 50	24	12 " "	4.80
320 5 " "	4 51	12	14 " "	4.80
144 6 " "	3 16	6	16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

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FOR GLAZING GREENHOUSES.

Proven superior to putty. Easier to apply and stays on. Not affected by extremes of weather. Endorsed by prominent florists. If not on sale by your dealer send for descriptive circular of Mastica and Mastica Glazing Machines, to

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STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

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Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

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28th and M Streets N. E. WASHINGTON, D. C.

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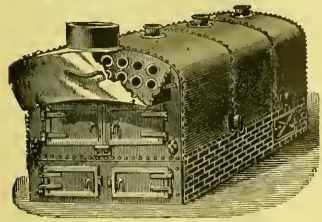
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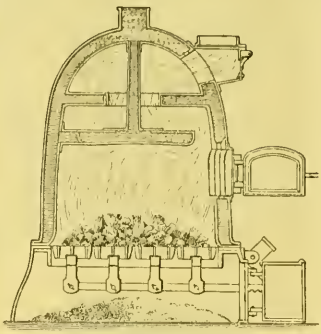
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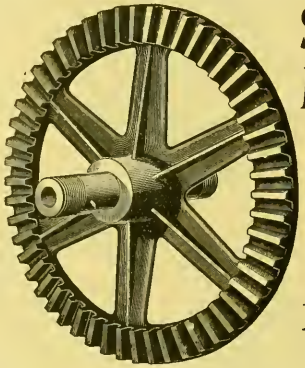
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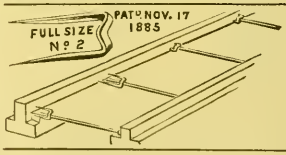


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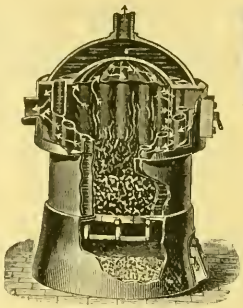
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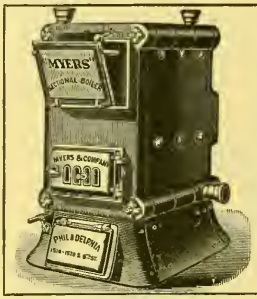
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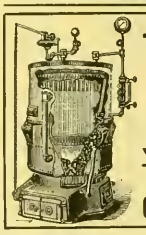
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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OFFICERS-ELECT (to be installed January 1, 1900). E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarryt wn, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., secretary

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UTICA, N. Y.—The firm of Pfeifer & Kaufer was dissolved January 1, Wm. F. Kaufer retiring. Wm. P. Pfeifer now has a range of 11,000 feet of glass, having built two new houses this season, one 16x60 for roses and a violet house 10x60.

Seasonable Plant Notes.

The increased call for decorative plants, flowering and foliage, for everyday home adornment and for gifts on special occasions where heretofore cut flowers have been used almost exclusively, is apparent to all florists doing a general retail trade and the question of how or where to procure a regular supply of desirable material in this line becomes a serious problem to many. Plant growing requires not only a high degree of skill of quite a different nature from that needed for the production of the few varieties of standard cut flowers but—what is a more formidable obstacle—a large area of glass. Crowded plants are never of the best quality in appearance or in constitution, as those who have to buy them have frequently learned to their sorrow.

For those who have the necessary land, the right soil, the capital and confidence in the future of the plant trade, there can be but little risk in building freely in preparation for the plant business of the future. It has been predicted by the pessimistically inclined that in a short time we will see the plant business overdone and in the same condition as is rose growing in the neighborhood of some of the large cities, with twice the amount of glass in operation that the demand for the product would justify. No doubt this is true, but in just the same sense as it is true of the cut flower growing business. The same process of grading and selection will quickly make the gulf between the careful, skillful grower and his slipshod, untrained competitor which similar conditions in the rose growing industry have brought about and, as in the case of the latter, the financial results will be in the exact ratio of the grade of the goods produced. We have not heard yet of a grower of the "best roses" in his neighborhood who has been forced to the wall through the unprofitableness of his business although we may have heard him do a good deal of growling and that florist, be he retailer or wholesaler (the latter, of course, contiguous to his market) who will aim successfully to present to his customer only the best in plants need have no fear as to the future of this department.

And here a word of warning to those large growers of palms and similar decorative stock who, possibly counting too much on their monopoly of this business in the past, send out palms whose size consists largely in the long, drawn-out stems resulting from close confinement in warm and overcrowded houses and which, buyers are learning to realize, lack the firmness and constitution to withstand for any time the dry air and other drawbacks of the store or dwelling house. "Penny wise and pound foolish," too, are those growers who, when palms or pandanuses have from one cause or another developed brown-tipped foliage, trim off the tips with a pair of sharp scissors and then send out these plants as first-grade stock. Such material must be disposed of, of course, but why misrepresent it or put full prices on damaged stock? There is always a demand in certain localities for such if the price is made an object to the buyer who, knowing what he is getting, can then find no fault. Buyers of first-class plants at first-class prices will do well to watch out for clipped foliage.

Hydrangeas should now be potted up. With proper care and conditions in the field during summer, they should now be luxuriant, stocky clumps of fine green foliage that will require close work to get the roots into an 8-inch or 9-inch pot. The best place for them for the next three months is the cold frame and, if sufficient protection against hard freezing can be given, the longer they stay there the better. They will flower better and, best of all, they will last much better in your customer's window than those that are hot-house grown.

As to azaleas left over from last spring, whether they have been kept in the original pots or planted out, they should now be got where they can be protected at short notice. Some thoughtful growers now prefer importing their Acacia paradoxa and metrosideros in the spring, stipulating, as a matter of course, that the invoices shall not arrive before Easter. The plants when received are put out doors at once and after a summer in this climate appear much more thrifty and hold their flower buds better than fall imported plants. But there are far-seeing growers who see no reason why this stock should not be worked up here from cuttings, just as good and maybe better than foreign grown specimens and benches of young stock in many of these specialties are now frequently seen.

In palms the progress in home production from seed has been so rapid during the past two or three years that many small growers who have heretofore procured their stock from the large dealers are at it and have young material under way. In this line kentias are keeping easily in the lead as to popularity on

account of their general utility and their persistent toughness. Arecas cannot be depended upon to an equal extent, to please the customer and bring her back for another investment. If the raphises only had more grace they would make popular house plants, they bear ill usage so well.

Asparagus Sprengerii seems not to attain the popularity as a hanging plant that its graceful drooping green would indicate, but in a cut state it is becoming a staple rapidly in the better class of florists' establishments. When selling a bunch of carnations put a spray or two of this green with them and note how



FIG. 1.—Plant infested with the violet bud nematode, showing destruction of the crown bud.

quickly customers will come back and call for it. Rubbers are selling well this season but the branching form is much preferred to the single stem and now that these are becoming better known and more generally distributed buyers are beginning to demand them.

Begonia Gloire de Lorraine is easily the leader in winter flowering plants of recent introduction. There is considerably more stock of it in sight this season than last but not nearly enough to meet the demand that is sure to be experienced for this beautiful plant. A difference of opinion exists among growers as to its proper treatment at the present season, some believing that by keeping the flower buds nipped off they will promote more active growth in the plant and others, one of whom is Mr. Edgar, who made such a success of it last year, claiming that the flower stems are the real and only growth of the plant in the flowering season and that they should not be interfered with.

Good old Euphorbia Jacquinæflora is a flower seldom seen now-a-days but the older florists well remember its lovely racemes of bright vermilion which served so good a purpose in the trimming of basket handles, etc., in the days of the old-fashioned Christmas and New Year's baskets, and will agree that it is good enough to revive for use now, when evidences of dissatisfaction with the limited variety of commercial flowers are so unmistakable. Cuttings taken last spring should now be single-stemmed plants three to four feet tall and, if in pots can be transferred to flats where planted thickly together for economy in space and labor of watering and will be in bloom for Christmas. With these and with their relative, the poinsettia, it is a good plan to avoid a high temperature. More stocky stems and better heads will result.

Browallia speciosa major, which was illustrated and described in these columns two years ago, is fulfilling the bright promise made for it at that time. Only a few growers have it, as yet, but it is sure to come prominently to the front. W. W. Edgar has a bench of it in pots which presents a lovely sight with its profusion of large bright blue flowers.

For fern dishes lay in a stock of Aspidium tensemense and Polystichum setosum. They are both in the first rank for this purpose, healthy, vigorous, pretty, and, best of all, everlastingly tough.

The Springfield Dahlia Show.

The Springfield Amateur Horticultural Society, Springfield, Mass., held a dahlia show September 19 and 20. Adhering to its strictly amateur rule of encouraging the exhibits of individual members there was no schedule of classes and no judging for premiums. As a special attraction several large growers sent exhibits; these held the leading place. Altogether there were about 7,000 blooms arranged either in bouquets or for individual effect.

Lawrence Peacock, of Atco, N. J., who, as a wholesale grower, does not propose to enter in specified classes any more, sent a fine display of bunches of about 100 leading sorts. Lothrop & Higgins, Bridgewater, Mass., sent about 400 of the choicest sample blooms, besides bouquets of pompon and single varieties. Their exhibit, for quality and latest introductions, was never excelled in this country. Their assortment of cactus varieties was the drawing card of the show.

The writer was one of the judges at South Manchester, Conn., the week before, where Lothrop & Higgins ran neck and neck with H. F. Burt on a schedule that was difficult to fill, but which both filled admirably. It was expected that Mr. Burt would be in equal evidence at Springfield, according to promise, but he was doubtless prevented by a show at home. But the writer did not enthuse so much over the somewhat crowded arrangement of the classes at South Manchester as at Springfield where each blossom in fresh and beautiful form, less stiffly arranged, showed each its own color and character.

By what magic the many new cactus varieties have been created in such perfect form is the wonder. Mr. Peacock's exhibit was the more interesting to the writer because he had just been to Atco to see the thirty-five acres of dahlias from which they came. Crating a hundred bunches is quite a different matter from boxing specimen blossoms in layers, and they necessarily suffer by transportation. To have seen a hundred such bunches freshly picked would mean the top notch of enthusiasm. But I was glad, in talking with Mr. Peacock, to learn the points of just judgment between his line of work and that of the two smaller growers at East Bridgewater and Taunton, Mass. Mr. Peacock is strictly a wholesale grower. His customers are dealers who go to the fields to select the best all-round sorts. Except for his own amusement many of the cactus varieties are valueless on account of shy bloom. On the other hand, even though these gilt-edged specimen blossoms, such as we saw at Springfield, are more or less deceptive to the average buyer, still our dahlia amateurs are now far enough along to want them "for better or for worse," and it is to us a matter of keen interest that the East Bridgewater and Taunton growers are importing everything that can add to the beautiful effect of an exhibit.

Our Springfield amateurs have altogether about 3000 hills of dahlias. L. D. Robinson, Jr., is our largest dahlia man, having 1500 hills, of 400 sorts. His table presented a fine show. We have several who have 200 and 300 hills each. C. L. Simons arranged his in sawdust with fine effect. Mrs. J. W. Shillingford won great praise for her singles. Alexander Hughes, a colored member, filled two tables with great credit, his vases of Agnew and Kaiser William being in splendid exhibition form. C. Candrian is very successful with singles and has a fancy collection. Joseph Aumer, who is our tuberous begonia expert, surprised us with a potted collection of giant cockscomb. The writer built all his blossoms from 300 hills into a pyramid for the center of the hall. There were creditable exhibits from C. L. Burr, J. W. Adams & Co., O. C. Trask, James H. Atkinson, Miss Conaty, P. H. Holmes, of West Brookfield; Mrs. M. L. Mann, of Florence; E. H. Newell, W. H. Fellows and Mrs. Frank T. Russell.

Something has been said about the American Dahlia Society having its show in 1900 at Springfield, and we are ready to greet it with our smiles.

This has been a very trying dahlia year, but frost is holding off so that in the last week of September we are having our best bloom. We fully realize the pressing need of a new dahlia classification, but we doubt if it can be manufactured to order, or be given recognized value by any vote taken in one meeting of the American Dahlia Society. We hope there will come in from all parts of the dahlia world such a range of suggestion that the classification that is finally adopted may have the weight of universal judgment.

W. T. HUTCHINS.

New Diseases of the Violet.

VIOLET BUD NEMATODES.

We desire to call attention to a new violet disease—if disense it can be called—which, if it should become established,



FIG. 2.—Plant infested with the violet bud nematode, showing healthy roots, diseased and abortive flower buds, and wiry, dwarfed and distorted shoots and runners.

would doubtless prove to be more serious and destructive than spot or any of the fungous or insect enemies now known to attack violets. The trouble was brought



FIG. 3.—Violet bud nematodes (magnified 125 times).

to our notice by a gentleman in Vermont, who sent some of his plants to us in order to find the cause of their peculiar behavior and the remedy. The following extract from the letter which accompanied the plants is a good description of the effects of the disease: "Our violet plants all run blind or lose the principal crown and refuse to flower, and the very few flowers they do give are inferior. The trouble seems to increase as time goes on and, although we selected our stock for cuttings this spring, the disease, or whatever it may be, seems more prevalent than ever."

The leaves of the plants received were yellowish and sickly looking, hard and brittle to the touch, and broke with a pronounced cracking sound when bent between the fingers. The edges turned upward and the lobes overlapped, causing the leaves to appear cup-shaped (Figs. 1 and 2). In every instance the crown bud was wanting (Fig. 1). There were numerous runners and wiry shoots, which showed the plants' efforts to overcome the trouble, but the new growth was dwarfed and distorted, which showed that it, too, was suffering from the same trouble. All the plants had good roots, which were free from root nematodes, or eel worms, and practically free from fungous diseases (Fig. 2). Longitudinal sections were made through the crown bud, the growing point or bud of the runners and the abortive flower buds, and vast numbers of nematodes, or eel worms, were found working between the folds of the young growing buds. Figure 3 is a drawing of some of these worms and their eggs, these being magnified about 125 times. These worms are approximately .0007 of an inch in diameter and from .01 to .024 long. They can, however, be seen by the naked eye after being properly mounted and located by the aid of the microscope or a good hand lens.

The injuries on the violet are in some respects similar to those produced on begonias by a species of nematode, and it is probable that the species in the two cases are closely related. The work of the species in question, however, is different from that of any we have ever seen and it is very probably a new species.

The worms appear to live only in the buds and young growing parts of the plant—at least none could be found in any other portion of the plants or in the soil surrounding them. The dwarfing and distortion, and more frequently the death of the parts attacked, are caused either by the presence of the worms or by their feeding on the juices of the plant at the tender growing parts.

To prevent the introduction and spread of the pest all stock should be carefully inspected before shipping or before planting and every plant showing the slightest symptoms of the trouble should be destroyed. Should the trouble appear all affected plants should be promptly rooted out and burned, and the soil in the beds should be removed to a depth of six to eight inches immediately if possible, but by all means before new stock is planted. Before putting in the new soil it would be well, we believe, to thoroughly coat the woodwork of the beds with whitewash.

WOOD FUNGUS ATTACKING VIOLETS.

The fungus, Merulius lacrymans Fr., which produces the dry rot so common in wood, has heretofore, so far as we know, not been reported as attacking living plants. However, the fungus appeared in our violet houses at Garrett Park, Maryland, several years ago and has caused more or less damage each season. It is invariably found close to or on some portion of the woodwork in the beds in which the plants grow and flower, but so far no trace of it has been found in our cutting beds. In his experiments with dry rot (merulius), Hartig found that the spores of the fungus will not germinate either in water or in ordinary nutritive solutions, but that when alkalies, such as are supplied by urine, are added, they germinate very readily. This explains the abundant growth of the fungus on the inner surface of the boards along the walks just at or a little below the surface of the soil, the conditions here being, no doubt, ideal for the germination of the spores.

The fungus spreads from the woodwork in the beds to the adjacent plants by means of rather coarse white mycelial threads (Fig. 4), which grow through and over the surface of the soil. These threads frequently reach the base of a plant and there develop into a rather thick, fleshy hymenium (Figs. 4 and 5), which is frequently covered with minute globules of moisture. At first it is snow white and more or less smooth on the surface, but as it grows older it changes to a yellowish or grayish white and the surface becomes rough, tongued, or almost toothed (Fig. 5). The parts attacked rot or decay, however, and the plant is usually killed long before the



FIG. 4.—Plant killed by wood fungus, showing mycelial threads and development of fungus in crown.

fungus reaches this stage of development. The injurious effects are, no doubt, due to some deleterious substance secreted by the fungus.

Strong Bordeaux mixture seems to have little or no effect in checking the fungus. In fact we have seen a case where it developed a strong, healthy hymenium all over the surface of a cypress shingle that had been thoroughly saturated with a strong copper sulphate. As it is a wood fungus, it can be avoided by using some other material in the construction of the benches. Brick or concrete sides might be used, but of course these take up more room and are more expensive than boards. We are at present considering several different methods of construction with a view of finding a substitute for wood which will be cheap and convenient and at the same time remain free from the attacks of the fungus in question. P. H. DORSETT.

Washington, D. C.

New York.

STOCK IMPROVES BUT TRADE DOES NOT.—RETAIL MEN CLEAR THE DECKS FOR ACTION.—LITTLE EXPECTED OF DEWEY CELEBRATION. — PLANTS IN FAVOR. — NOTES AND COMMENTS HERE AND THERE IN THE METROPOLIS.

Receipts of flowers at the wholesale markets are increasing and quality is improving generally, except in the case of roses, many of which are coming in with a fall overcoat of mildew, but no increase in trade is noted. In fact none is looked for until after the Dewey celebration is over, and prices are about as they have been for some time. Already the rivalry as to who sent or who received the first chrysanthemums or the first violets of the season is getting to be a chestnut, and the question as to who has the best will soon be a more practical subject, for, more than ever before, it looks as though success or failure for both grower and wholesaler would this year depend upon the grade of the goods carried.

From Long Branch and the Catskills, from across the Atlantic and over the Hudson, the retailers are rounding up, and a call at any one of the prominent establishments is pretty sure to find the proprietor on the bridge and in command. Not that much is going on yet, but old customers are returning rapidly to town and they have a way of dropping in during the day just to see what is in prospect, florally, for the coming season, and it is wise to have things in order and the proprietor on hand to welcome them. "Dewey days" will not bring any business to the flower trade, in all probability, and little is expected until after the excitement is all over, but it is true that this event, quite different in this respect from the average holiday, is bringing residents and their friends to town earlier this season than their wonted time, and once here they will probably remain. But few floral orders are received, the principal inquiry being for plants and each customer asks for assurances as to the keeping qualities of such as are offered. Quite a number of aspidistras are seen, and in a nice jar they look well, especially the variegated kind, and the most conscientious dealer can recommend them unreservedly as almost indestructible. A few stately bay trees, outside, and a bank of araucarias with a bright dracæna or two to add color, inside, constitute the principal adornment of some establishments. A good many dahlias, of which some lovely colors are seen, are used when an opportunity is offered in the cut flower line. A bunch or two of violets may be found now in almost any pretentious establishment. Large kentias are said to be hard to find.

Siebrecht & Son were large buyers in the wholesale markets last week, they having been favored with the two big wedding occasions of the season at Newport, of which an account is given in another column. Hanft had a good wedding decoration at the Savoy last Tuesday, also.

Alex. McConnell has been down at Lakewood considerable of the time this summer superintending some fine landscape work there which he has in charge and incidentally adding a little pleasure to the business in hand.

W. P. Sears and family returned last Saturday on the St. Paul after a pleasant three-months' European trip.

Weber & Fields' opening last week called for quite a quantity of flowers, and "glad hands," horse-shoes, etc., were handed up on the stage in rapid succession.

Henry Hurrell, whose wife and two children went abroad last July, received on Thursday the sad news of the death of his year-old son.

Julius Roehrs has just received a shipment of 300 large bay trees, which is believed to be one of the largest consignments of the kind on record.

Eugene Thorne is sending to John I. Raynor Bride and Bridesmaid roses of a quality rarely attained at this early date.

The sixty-eighth fair of the American Institute is on this week at 19 and 21 West Forty-fourth street, closing Friday night.

A. Herrmann reports the sale of cycas leaves and metal goods as unprecedentedly large this season.

Owen P. McDonald, 611 Madison avenue, has filed a petition in bankruptcy.

The New Jersey Floricultural Society will hold a social and smoker at Linsley Hall, Orange, next Wednesday evening.

John Osborne has opened a retail flower store at 157 East Twenty-eighth street.

Foley, of the Bowery, has opened a branch at Twenty-eighth street and Eighth avenue.

Visitors: Robert Craig, Philadelphia; J. F. Huss and family, Lenox, Mass., en route to Switzerland; R. H. and Benj. James, Bermuda.

Boston.

STATE OF THE MARKET.—RUMOR OF A FLOWER MARKET. — GOINGS ON AT EDGAR'S.—SOME WELL-GROWN PLANTS. MEDALS AWARDED AT HORTICULTURAL HALL.—BOSTON FERNS, BABY PRIMROSES. —VISITORS.

A fair amount of stock is being handled each day at the various cut flower markets and at prices that may also be called fair for the season. Outdoor stock is still in good shape, the frost having held off nicely so far and it is fortunate that the indoor flowers are not coming along too fast as the demand is light all around. Country buyers are beginning to appear, looking over the available material for stocking up properly for the coming good times, and out-of-town growers are also met daily in and about the wholesale establishments, putting the proprietors through a course of cross examination to see just what they can be induced to promise. Nothing sensational is in the air excepting a half defined proposition to locate a big flower market on the site of the abandoned Park Square station. But, as the flower market in Park street has just arranged a five year lease in its present location, support can hardly be looked for from that quarter and it is also understood that the solid opposition of the big influential Back Bay district will be thrown against any scheme to locate a market of any kind so close to them, the prospects for the suggested plan are rather slim.

W. W. Edgar has added a new and commodious stable to his establishment and equipped the entire place with electric light. He will now build a cold storage shed 125 feet long to accommodate the increased quantity of stock he will carry this winter. In the houses Gloire de Lorraine is coming into profuse bloom and makes a charming picture. A bench of Dracæna terminalis attracts the eye because of the clean and handsome appearance of the plants. They were grown in a deep hot bed with two feet of manure under them and they have not



FIG. 5.—Plant killed by wood fungus, showing the rough surface of the hymenium, its changed color, and the way in which it grows around the crowns and leaf stalks.

a flaw. It looks as if that was the way to grow them. Cibotium Scheidii in 6-inch pots gives promise of being a superb window specimen fern. Quantities of adiantums are being put in 4-inch pans, three little plants to a pan and they make an exceedingly attractive and dainty feature for the center of the dining table. Among several new ferns that are being tried here and look promising are Adiantum Æthiopica elatum which looks like A. tenerum but seems a stronger grower, Gymnogramma grandiceps superba, which is a finely crested golden variety, and Pteris Drinkwaterii which has hard foliage, is a vigorous grower and will make a handsome specimen plant.

Last Saturday, at Horticultural Hall, a silver medal was awarded to Geo. McWilliam for Lælia-Cattleya Catharine L. Whitin, a hybrid between Lælia purpurata and Cattleya Harrisoneæ, and certificates of merit were given to J. E. Rothwell for Cypripediums Uehleineanum and H. Ballantine. The annual fruit and vegetable show is on for this week. The next exhibition of any extent will be the chrysanthemum show, which will be held November 7–10. The annual election of officers of the Horticultural Society will take place on Saturday, October 7.

A. Leuthy has a good stock of Boston ferns of the "genuine variety" and a big stock of fine young palms coming on. His greenhouses are equipped with cement walks throughout, which no self-respecting grower should be without, since they can be laid for a trifling sum. Mr. Leuthy mixes two parts of common cement with one part of Portland cement and then adds gravel in the proportion of four parts gravel to one of cement.

Fred. Palmer has a large stock of baby primrose which he believes will sell all right here as soon as it becomes better known. His cyclamens are very good and Chrysanthemum Ivory will be in early.

Visitors in town: R. W. Clucas and wife, New York; Walter Mott, Philadelphia; Carl Jurgens and C. J., Jr., Newport, R. I.; C. F. Gibbs, St. Johnsbury, Vt.; J. McHutchison, representing Aug. Rhotert, New York, and H. S. DeForest, representing Hitchings & Co.

Philadelphia.

BUSINESS IS ENLIVENED —STOCK IN MARKET —DAHLIA EXHIBITION AT THE EXPORT EXPOSITION.—SOME VERY FINE DISPLAYS.—NOTES OF THE EXHIBITS.

Business continues to improve, cool weather for a few days past seemingly acting as a tonic, putting new life and increased action into things generally. Brides and Bridesmaids can now be offered without excuses, although Kaiserins are preferred as yet to Brides, being so much larger and longer stemmed. Beauties are moving lively at good rates, first choice commanding $1.50 per dozen with $1.25 and $1 for the next sizes. Scott & Son say their Liberty houses are looking fine but the flowers will not be put on the market much before Christmas. Carnations are in good demand and are fast getting into shape. Robt. Craig & Son are sending in some fine Ethel Crocker. This variety will be a leader the coming season if its present appearance counts for anything; $1 per hundred is the price now for selected stock of all colors.

The exhibition of the American Dahlia Society, held in the congress room of the National Export Exposition, opened under favorable auspices on Tuesday. The hall was nicely decorated with evergreens and autumn leaves, which made a suitable background for the gay colors of the September queen. There were four large tables with cross sections in the center which occupied two-thirds of the space, the center being arranged with chairs for the meetings. The H. A. Dreer Co.'s exhibit was a most generous contribution. It consisted of a display of water lilies in two tanks, with palms and other plants for a background. They also made two pretty groups of ornamental foliage plants, two tables, one of tuberous rooted begonias and another of canna flowers blazed their bright colors in opposition to their vari-colored neighbors. Francis Canning exhibited a collection of choice greenhouse plants which was much admired. W. P. Peacock, of Atco, was the largest exhibitor of dahlias, as no one can compete with him, his thirty-five acres of full blooming plants giving him almost a monopoly. His system of cultivation, together with the soil, which seems in his neighborhood to be just right for this flower, enables him to cut blooms in quantity at all times during the season. He exhibited about 400 varieties, many of them new. In fact this collection was an exhibition of itself. W. Atlee Burpee staged a number of fine vases containing many new kinds. Wm. Henry Maule also had a fine display contained in 300 vases. H. F. Michell filled a large table with new and popular sorts, and there were a number of private collections from amateurs which showed that the interest in dahlias is spreading and that they will be more generally grown in the future.

The society held a brief session Wednesday afternoon, with J. Hampton Leonard, the vice-president for New Jersey, chairman. The report of the judges, James Campbell and Harold Otters, upon the exhibit was approved. The awards were: Burpee prizes, limited to amateurs, largest and best display, best collection twelve blooms, twelve varieties and best arranged vase for decorative effect, Thomas Holland, Malvern; best twenty-five blooms, twenty-five varieties, Francis Canning, Wynnewood. The Henry F. Michell prizes, for largest and best general display, to L. K. Peacock, Atco, N. J.; second, to Wm. Henry Maule, Philadelphia. The Maule prizes for vases of twenty-five blooms were awarded to L. K. Peacock for Clifford W. Bruton, Grand Duke Alexis and A. D. Livoni; to Julius Reck, Villanova, for Frank Smith. The A. Blanc prizes were awarded to L. K. Peacock for Storm King as the best white; to W. H. Maule for American Flag as best of the fancy type; to Peacock on Emily as best of the show class; to W. H. Maule for the best gilt-edged variety and for Baron Schroeder as best of the cactus type. Special prizes awarded were: To Francis Canning for display of decorative plants; to H. A. Dreer, for tuberous rooted begonias in variety, for the new pink anemone Queen Charlotte and for the display of aquatics. Other business of the meeting was to accept the invitation of the Springfield Horticultural Society to hold the next year's exhibition under its auspices. Admiral Dewey was elected an honorary member.

The cricket match at Stoke-Pogis last Thursday resulted in a draw. While the result of the series is not decisive, the social features of the games were so pleasant that cricket is likely to be permanently placed in the fall outing list.

Mr. Lemon, of E. G. Hill & Co., was in town last week and in speaking of carnations said that for the three leading colors the following varieties are most largely planted: White, White Cloud and Flora Hill; pink, Triumph and Scott; red, G. H. Crane and America. K.

Springfield, Ill.

At the State Fair this week the displays in the floricultural classes were excellent. There were some very well grown flowering and decorative plants on display and in the cut flower and design sections competition was keen, the leading exhibitors being Brown & Canfield, the South Side Floral Co., and Louis Unverzagt. In palms, ferns and stove plants Unverzagt and Brown & Canfield were about even, but in cut roses the latter took all the firsts In the section for cut carnations the South Side Floral Co. staged some excellent blooms and captured most of the prizes, although Brown & Canfield won with Jubilee and Gold Nugget. The South Side Co. was easily leader for gladioli, geraniums, petunias and verbenas, their specialties. There were some fine showings of baskets, bouquets, designs and table arrangements.

Brown & Canfield were first for a collection of bulbs, for which they received a silver medal, and in the plant classes they took seven firsts and nine seconds. In the same classes Louis Unverzagt won nine firsts and six seconds and the South Side Floral Co. two firsts and one second.

In the cut flower classes the South Side Floral Co. had seven firsts and four seconds, Brown & Canfield eleven firsts and five seconds and Louis Unverzagt one first.

In floral designs Brown & Canfield took five firsts and two seconds, Louis Unverzagt three firsts and three seconds and the South Side Floral Co. three seconds.

Buffalo.

TRADE QUIET AND WEATHER BAD.—STOCK IN MARKET. — STORE OPENINGS AND OTHER DOINGS.

Trade is very quiet but nothing more could be expected in view of the disagreeable weather. Chrysanthemums and violets are to be seen but are poor. Carnations are scarce. Beauties are now to be had in various lengths and qualities and teas are good but rather scarce. Anderson and Adams have each used salvia for window decoration this week and the effect was good.

There were four store openings this week, which called for a generous supply of palms. One decorator used autumn leaves with good effect.

W. F. Kasting is busy looking after the finances of the approaching Odd Fellows' carnival and street fair.

Active preparations are being made for building the propagating and growing houses for the Pan American Exposition.

Visitors: Mr. Rolker, of A. Rolker & Sons, New York; E. A. Butler, Niagara Falls. W. A.

Baltimore.

Trade seems to be picking up daily, though prices continue much the same.

Mrs. Otto Schuler returned from a trip to Paris last Wednesday. Her son, who accompanied her, remains there to study sculpture for two years.

Mrs. M. J. Thomas has just returned from a very delightful European tour.

The last club meeting was very poorly attended, owing to the heavy rain. A display of dahlias by Richard Vincent, Jr., was very good, the flowers being of many varieties and mostly extra fine form. MACK.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

"ADVERTISING is to business what steam is to the steam engine—the propelling power."

WE are in receipt of a copy of D. B. Long's new work, "Floral Designing from Photographs," which is an elaborate and well executed book of illustrations of florists' designs, from photographs. The pictures show floral arrangements suitable for every occasion.

IN our issue of August 12 H. Cannell & Sons are apparently mentioned as the introducers of the following geraniums: John Forbes, Gertrude Pearson, Phyllis, Virginia, Shelly, Alfred Tennyson, Crabbe and Mrs. Gordon Linzee. J. R. Pearson & Sons write stating that these varieties were raised and sent out by their firm.

THE Royal Horticultural Society of England has bestowed an award of of merit upon Begonia Mrs. Leopold de Rothschild, a distinct sport from B. Gloire de Lorraine, which appeared in 1897. It has foliage similar to the type but the infloresence is shorter and the habit of the plant more compact. The flowers are larger and lighter in color.

Countermanding Orders.

A recent decision of the supreme court of Washington has it that to be effectual the countermand of an order of purchase must be made before delivery of goods to carrier. That notice was deposited in the post office is not sufficient. The mail is here considered as the agent of the party sending the notice of countermand.

Greenhouse Building.

Torryburn, N. B.—Mrs. W. H. Jones, carnation house 16x110.

Quincy, Mich.—A. B. Cole, rose house.

Angola, Ind.—Powers & Johnson, two houses 20x50.

New York City.—F. A. Wilcox, conservatory 17x72.

Plainville, Conn.—Mrs. C. N. Woodford, rebuilding one house.

Thompsonville, Conn.—D. W. Brainard commercial house.

North Tarrytown, N. Y.—Cook & McCord, one rose house, one palm house.

Cromwell, Conn.—A. N. Pierson one commercial house.

Augusta, Me.—Capt. Wyman, one greenhouse.

Milford, Mass.—C. H. Metcalf, house 40x220.

Beardstown, Ill.—Frank Burtenshaw, lettuce house.

Askin, Ont.—E. Meredith, carnation house.

Sedalia, Mo.—Jos. Gelven & Son, two houses 18x80.

Hinsdale, Ill.—H. Payne, four houses covering 16,000 square feet.

Melvale, Md.—Robt. King, four houses.

Chrysanthemum Society of America.

The committees judging seedling chrysanthemums will be in session October 7, 14, 21 and 28, November 4, 11, 18 and 25. Exhibitors should make their entries, for which a fee of $2 is charged for each variety entered, to the secretary not later than Tuesday of the week they are to be shown. All exhibits forwarded to the following addresses, express charges prepaid, will receive careful consideration:

Boston, Mass., A. H. Fewkes, Horticultural Hall, Tremont street.

New York, N. Y., E. Dailledouze, care New York Cut Flower Co., 119 West Twenty-third street.

Philadelphia, Pa., A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O., A. Witterstaetter, care Cincinnati Cut Flower Co., Fourth and Walnut streets.

Chicago, Ill., C. W. Johnson, care Illinois Cut Flower Co., 51 Wabash avenue.

ELMER D. SMITH, Sec'y.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Registered September 21, 1899, by M. H. Walsh, Wood's Holl, Mass., rose J. S. Fay, Prince Camille de Rohan × Pierre Notting. Vigorous, free and as hardy as the hardiest of the H. P. class. Color deep crimson, tips of petals bright scarlet.

By W. E. Hall, Clyde, O., geranium Little Pink, Mars × Asa Gray. Very dwarf, branching, very free. Color bright pink. Geranium Clyde, sport from Mrs. E. G. Hill. Habit same as parent, foliage somewhat lighter green. Color soft, brilliant scarlet.

By Peter Henderson & Co., New York, canna Governor Roosevelt, a sport from an unknown variety. Strong, compact habit, foliage light green, height four feet, color red and yellow irregularly striped, some flowers all red, the yellow slightly dotted with red. Flowers full average size and good form.

WM. J. STEWART, Sec'y.

Chicago.

STATE OF THE MARKET.—PRONOUNCED SCARCITY OF STOCK.—PRICES STIFFEN.—BIG ORDERS.—A DEAL IN ASTERS.—WEBERS TO HAVE NEW HOUSES.—A BIG CITY ORDER.—THE GOLDEN GATE STARTS WELL.—PERSONAL JOTTINGS OF INTEREST.—MANY VISITORS.

This has been a record breaking September. Trade has boomed from the start and for the past two weeks it has been impossible for local wholesalers to supply the demand, the scarcity being particularly pronounced in the early days of this week. Shipping trade was never better in September. Big orders were numerous. On Tuesday Bassett & Washburn sent 2000 roses and a lot of greens to LaCrosse, Wis., for a wedding decoration and on the same day Reinbergs sent out 1000 roses in a single order. There was other large buying, Meteor roses seeming to be in especial favor. The heavy orders were in themselves enough to cause prices to stiffen had it not been for the scarcity of stock. Among the local growers asters are over, carnations are not yet yielding anything to speak of and roses seem to be off crop, the new plants having given their first cut while the old plants are not yet in with most growers. The bad weather has also reduced the cut. Thus it is that roses easily bring $4 to $6 and as high as $8 for selected lots, Beauties $1 to $4 and carnations $1 to $1.50. Qualities are improving all along the line.

McKellar & Winterson have handled unprecedented quantities of asters, their consignments for the first three days of this week averaging 15,000 a day. The stock comes from growers in Ohio and Pennsylvania and has moved at prices ranging from 50 cents to $2. The same growers' consignments during the summer glut barely brought express charges.

Weber Bros. have their entire place in chrysanthemums this year and in a few weeks will be sending a big cut to Budlong. The Webers' lease expires next spring and they intend to lay off after the chrysanthemums are gone. It is likely that the place will shortly be rebuilt for them.

C. A. Stevens & Bro. had their fall opening this week and the decoration created quite a stir in the flower market, 500 asparagus and several thousand Meteors being required. The order was divided between the leading retailers.

Hauswirth made a wreath for the funeral of Mrs. Peck, mother of the United States Commissioner General to the Paris Exposition, using 800 two-cent purple asters among stiff sprays of adiantum.

Reinberg Bros. are cutting a few Golden Gate. They are short but good and give promise of some fine blooms. Just at present the supply is limited to a few dozens a day.

The Skabcura Dip Company has named its new insecticide Nikoteen Aphis Punk and will shortly put it on the market. J. V. Merrion will go east in the interests of the company in the course of a month.

August Jurgens is cutting some of the best lily of the valley on record and has no difficulty in getting 5 cents and 6 cents for it.

G. E. Pieser has returned from a brief outing at Lake City, Minn., and things have settled down at Kennicotts' for the winter's run.

Wietor Bros. are now cutting about 1800 Meteors a day and have good quality in Beauties.

J. B. Deamud, of the Illinois Cut Flower Co., attended the State Fair at Springfield during the week in the capacity of judge in the floricultural classes.

J. A. Budlong has just installed a new eighty-five-horse-power boiler and is ready for winter.

The health of Mrs. Phil. Hauswirth, who has been quite ill the past week, is now much improved.

Violets are in demand, the leading retailers having many calls for them.

The careful growers in this vicinity have now been firing for three weeks.

Visited Chicago: C. O. Williams, Batavia, Ill.; G. O. Souster, Elgin, Ill.; Mrs. C. W. Pike and Miss Hicks, Racine, Wis.; Wm. Billingsly, Indianapolis; A. C. Brown, of Brown & Canfield, Springfield, Ill.; Miss Matthews, Lockport, Ill.; Fred. J. King, Ottawa, Ill.; C. C. Pollworth, Milwaukee.

Indianapolis.

POOR DISPLAY AT THE STATE FAIR.—ONLY HALF THE PREMIUMS SOUGHT.—NOTES OF THE EXHIBITS.

Generally speaking the Indiana State Fair was a great success, nearly 75,000 people paying admission, but floral hall appeared empty to a painful degree. In spite of skillful stretching of the stock on hand not half of the space was occupied. Not only in quantity but in quality, also, the exhibit fell short of that in former years. In foliage plants A. Wiegand & Son were without competition; two rustic vases filled with foliage plants were

the most admirable part of their exhibit. They received first premium on palms, vases and arrangement of show plants and second on ferns, crotons and variegated show plants. W. W. Coles, of Kokomo, the Kaiserin king, was the only exhibitor of cut flowers, securing first premium for roses, dahlias and gladioli. A vase of Kaiserin, luxuriant in foliage, perfect in bloom and with stems from two to five feet long, was the leading feature on his table. John Rieman and Huntington & Page competed with designs. First premiums were awarded to John Rieman for the best two floral arrangements, best two baskets, best three bouquets, best show arrangement and best wedding arrangement. The crack piece of his exhibit was a harp of white carnations, prettily ornamented with pink carnations, cattleya blooms and fine green. Huntington & Page took second prize for two floral arrangements and show arrangement. In their exhibit a tastefully arranged fan of medium size caught the eyes of many visitors. Robt. McKain, Wm. Langstaff and J. J. B. Hatfield were the judges. There were three judges and four exhibitors and from a premium list amounting to $496, only $294 have been paid out.

Messrs. Haugh, of Anderson; H. Rieman, of Connersville, and W. W. Coles, of Kokomo, visited Indianapolis during the fair. H. JUNGE.

Newport, R. I.

The great Cantacuzine-Grant wedding took place as scheduled on Sunday and Monday and Siebrecht & Son, who did the floral work, carried out their part of the programme in superb fashion. All Saints Church is a plain structure and well adapted to set off floral decorations and drapery. An avenue of palms extended from the entrance through the center aisle to the altar, a bunch of white roses and lily of the valley at the base of each palm and garlands of green and white overhead. Garlands of green with loose bunches of American Beauties adorned the columns and the windows were banked with American Beauties and Adiantum Farleyense. Bride roses in profusion were used on the chancel rail and on the wall in the rear in conjunction with Asparagus plumosus and festoons of the same combination extended from each side of a chime of floral bells overhead. Many blooming orchids were also suspended from above. The bridal bouquet was of white orchids, orange blossoms and jasmine.

At the cottage, where the reception took place, the decorations were of a similar character, many gigantic palms, tree ferns, etc., being used. White and green in profusion were used in the decoration of the reception room. At each side of the bower where the couple received was a tall column of white roses and in the arch overhead a lover's knot of white orchids. Similar columns adorned the entrances. In the room where the rest of the party received American Beauties were the prominent flower and a bank of highly colored caladiums filled the fire place. The decorations were all under the immediate supervision of F. W. Smythe.

This was the second event of the kind for Siebrecht & Son within a week, the decorations for the Winslow-Havemeyer wedding the previous Monday having been furnished by them. American Beauties, lily of the valley, stephanotis and Kaiserin roses were used in large quantities. The dining table was a bed of lily of the valley with a central vase of white roses and the mantel was festooned with grapes and bright fruiting shrubs.

William Findlay has sold out to Peter King.

New Orleans.

AUTUMN BRINGS THE FLORISTS TOGETHER. —NORTHERN TOURISTS.— ADVANTAGES OF THE SOUTH.

Our society has held no meetings for the summer but upon reassembling a few evenings ago we were treated to entertaining accounts of what some of our members saw in the north upon recent trips. President E. Valdejo went as far as Cincinnati and enjoyed the experience very much. He tells us the plant trade is carried on in a much larger scalethere than here and that the stock is chiefly grown under glass. He said that we have the advantage for palm growing and with this Harry Papworth agreed. Mr. Papworth attended the S. A. F. convention and visited many cities in the north and east. He stated that nowhere did he find florists growing so many kinds of plants as we do here. He told us that, while our climate makes it impossible to compete with the north in raising certain stock, we should be able to supply the north with palms, ferns and bulbs which have heretofore been bought in Europe.

Our field chrysanthemums are in fine form and appear to be just right for our best market, which is in November. Roses have been doing poorly all summer. Trade is dull yet. M. M. L.

ATLANTIC HIGHLANDS, N. J.—Ethan Palmer took an extra large dose of laudanum September 28 to relieve toothache and almost succumbed. His life, however, was saved by flogging with switches.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a first-class palm, fern and stove plant grower; life experience. Best of references. Address M R, care Am Florist.

SITUATION WANTED—Private place by married gardener, highly recommended, who can grow all kinds of bedding stock and cut flowers. Address JOSEF SMITH, care D Richardson, Riverside, Ill.

SITUATION WANTED—By lady florist in flower store; have had eight years' experience in making designs and waiting on customers Recommendations as to ability furnished. Address O D, care American Florist.

SITUATION WANTED—East of Chicago by a good all-around florist. Good grower of cut flowers and general stock Single, middle-aged, German. References. Address FLORIST, care American Florist.

SITUATION WANTED—By first-class grower and storeman, to take charge of large commercial place; good designer and decorator; also best grower of roses, carnations, 'mums, palms, ferns, etc., etc. Quick propagator and potter, age 33, married; 19 years experience; will take first-class place only, with promotion and advancement. S H, care Am Florist.

WANTED—An experienced young man as designer and decorator. State age and salary expected. C A care American Florist.

WANTED—Night fireman; single; one with experience in greenhouse work. Steady place if suited. State wages wanted J M SMELY, Aurora, Ill.

WANTED—Assistant florist for general greenhouse work. Also competent lady florist to make up and sell at store. C. D. ZIMMERMAN, Buffalo, N. Y.

WANTED—A copy of issue No 4 October 1, 1885, volume I of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T WILLIAMSON, Memphis, Tenn.

WANTED—Two young men to work in greenhouse, with some knowledge of roses and carnations. Address, stating wage wanted with board. COLE BROS., Peoria, Ill.

WANTED — First-class commercial plant grower capable of taking charge of a large place. Address W, care Wm. J Stewart, 67 Hromne d St. Boston.

WANTED—A good all-around florist to take charge of 6,500 feet of glass. Apply, stating wages, with references, etc., to A M York, Hancock, Mich.

WANTED—Competent working foreman, capable of taking charge of 2,000 ft glass—roses, chrysanthemums, carnations, ferns and palms. A good position to a man of ability. J. F SULLIVAN, Detroit, Mich.

WANTED—Salesmen. A sober, energetic young man of good address for permanent position as travelling salesman for well-known eastern firm; must understand the plant and bulb line Give references, experience, etc Address CONFIDENTIAL, P. O Box 1697, New York City.

WANTED—A young man thoroughly familiar with the propagation of ornamental stock both outside and under glass; a man familiar with summer propagation of roses in hotbeds preferred. he must be young, energetic and capable of superintending the work of others. Address SHERMAN NURSERY Co., Charles City, Iowa.

FOR SALE—Good retail stand. 4000 feet of glass with stock, etc; in a city of 70000 in central Illinois. Fine opportunity for the right man. Will sell cheap if taken at once. Address G K, care American Florist Chicago.

FOR SALE OR RENT—A good business stand, dwelling and five greenhouses; everything in first-class shape. Good chance for they will go cheap. Ill health the only reason for retiring Address MRS H C. BUCHELER, Oconninowoc Wis.

FOR SALE—Greenhouses established ten years; 5000 ft glass; first class, up-to-date stock 8-room dwelling and land, near center of city of 10,000 Exceptionally fine climate for people with lung troubles. Present owner has heart trouble and is unable to live in this altitude. For particulars address S. C. THORP & SONS. Trinidad, Colo.

WANTED—Immediately.

Party to take charge of our catalogue department. Experience in compiling seed and plant catalogues a requisite. None but first-class man considered. Apply with references,

L. L. MAY & CO., ST. PAUL, MINN.

FOR SALE OR LEASE.

Desirable range of 6000 feet of glass in Chicago. Houses planted now, carnations, violets, chrysanthemums, etc. Will be sold reasonably and on good terms. Address

W H, care American Florist.

A RARE CHANCE. The proprietor of a well established place of 15,000 square feet of glass in a town of 60,000, about 60 miles from Philadelphia, desires to retire and will sell his stock, ALL IN FINE SHAPE, and lease the place for a number of years to party who is reliable and who has small capital. This is a profitable retail business, of which further particulars may be had by addressing.....

ROBERT CRAIG & SON,
Market and 49th Sts.. PHILADELPHIA.

ASSIGNEE SALE.

A plant of six greenhouses 20x90 ft., well stocked. Houses two miles from Wheeling, W. Va. Store in city, also fixtures in store. Will be sold very cheap for cash.

HUSCROFT BROS.,
J. E. McCAUSLAND, Assignee. Wheeling, W. Va.

FOR SALE...

at a great sacrifice if taken immediately—my greenhouse property, consisting of 8000 feet of glass in excellent condition, with a fine stock, nicely fitted office, shop, potting shed, new barn with storage cellar, everything ready for the coming year's trade. An A1 property and business, no competition within 60 miles, any direction. If you want a place and have money, address

MRS. F. E BLAIR,
Big Rapids, Mich.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

New Haven, Conn.

Trade is taking a decided change, and there seems to be a good demand for good flowers of all kinds. Carnations are still quite scarce, and good varieties with long stems bring $1 50 per hundred. Roses seem to be quite plentiful but are worth from $1 to $2 per dozen. Asters are pretty nearly all gone, but a few early chrysanthemums have made their appearance.

Fred. Horn, of Woodward avenue, sent in the few first violets of the season last week and reports his plants as looking very good indeed.

Smith Bradley's automobile has arrived and he may be seen on the boulevards any fine day.

Mr. Swain, of East Haven, is building two carnation houses 12x50.

Recent visitors: Robt. W. Greenlaw, Boston; P. M. Auger, Middlefield, Conn.

G. H.

NEW HAMBURGH, N. Y.—J. F. S. Banks, for whom Jas. Duncan is manager, now has the largest establishment around Poughkeepsie, having built three houses 20x150 this year. They have benched 29,000 violet plants.

In Explanation

of the extraordinary offer of high grade Valley at Three Dollars per Hundred, advertised in this paper of September 9th: The management of the "Rosebank" Nurseries desires to state, that they have secured by option a very large quantity of select three-year Berlin pips at a particularly low price. As forcing Valley is a radical departure for these Nurseries, the management is unwilling to go into the deal without some assurance of support from the trade in the venture. It has, therefore, been decided to make a very attractive price to those of the trade who will make a contract for their season's supply of this stock. It is distinctly agreed that the stock shall be first-class in every respect. The option on the stock expires October 15th, after which date this offer will be withdrawn.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

PITTSBURG CUT FLOWER CO., Ltd.,
WHOLESALE FLORISTS,

Long Distance 'Phone 2157. Consignments Solicited. No 705 Penn Ave.,
FLORISTS' SUPPLIES. WRITE FOR PRICE LIST. PITTSBURG, PA.

TEXAS SEED AND FLORAL CO.
Wholesale Florists,
DALLAS, TEXAS.

Consignments of choice Roses and Carnations solicited.....

We wish to make arrangements with a few first-class growers for regular consignments. Correspondence solicited.

CARNATION PLANTS.

Strong, healthy plants of the following varieties, viz:

McGowan, Flora Hill, Triumph (extra large), **New York, Daybreak, Victor, Scott, Cartledge and Bon Ton, $5 per 100; $40 per 1000.**

Satisfaction guaranteed. Cash with order.

CEO. R. CEICER, Nazareth, Pa.

WESTERN CARNATIONS!

700 McGOWAN
100 SCOTT
100 DAYBREAK
50 IVORY
} $5.00 per 100.

STRONG, HEALTHY PLANTS.

J. N. KIDD, Florist, St. Joseph, Mo.

PANSIES Plants of the famous Diamond Strain of large-flowered Pansies. Best for florists' use; greatest variety of rich and rare colors, over 50 distinct sorts and an endless variety of shades and markings. Fine field-grown plants with an abundance of roots, all colors, mixed; mail, 60c per 100; express, $4.00 per 1000. Cash with order.

Pansies a Specialty for 25 years. Hundreds of testimonials from all parts of the country like the following: "I have made a specialty of Pansies, procuring the best strains obtainable. Although I find choice flowers in other strains, yours last year were a revelation to me, for I did not know such colors existed in the flower."—JORDAN M. FOWLER, Petrolia, Ont. SEED of this strain, $1.00 per ½ oz.; $5.50 per oz.

L. W. GOODILL, PANSY PARK, Dwight, Mass.

THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

For further information apply to the nearest Railroad Ticket Agent, or to

H. B. McCLELLAN, G. E. A.,
387 Broadway, New York City,
J. D. McBEATH, N. E. P. A.,
5 State Street, Boston, Mass.
C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo

Wholesale Flower Markets

CINCINNATI, Sept. 28.

Roses, Beauty	10.00@20.00
" Bride, Bridesmaid	3 00@ 4.00
" Meteor	3.00@ 4.00
" Perle	6 00
Carnations	.75@ 1.00
Lily of the Valley	3 00@ 4 00
Asters	50@ 1.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Sept. 28.

Roses, Beauty	4 00@20.00
" Bride, Bridesmaid, Meteor	3 00@ 4.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1 50
Lily of the valley	3.00@ 4 00
Tuberoses	4 00
Asters	.75@ 2 00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Sept. 28.

Roses, Beauty, long per doz.	1 50@ 2 50
" " medium " "	1.00@ 1.25
" " short " "	.50@ .75
" Bride, Bridesmaid	2 00@ 4.00
" Perle	2 00@ 3.00
" Meteor	3.00@ 5.00
" Kaiserin	3.00@ 5 00
Carnations, fancy	1.50@ 2.00
" good stock	1 00
Adiantum	.75
Common ferns	25
Smilax	12.50@15.00
Asparagus	60.00

PITTSBURG, Sept. 28.

Roses, Beauty	5.00@25 00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Kaiserin	4 00@ 8.00
" Perle	2 00@ 4.00
Carnations	50@ .75
" long "	1 00@ 1.50
Lily of the valley	3 00@ 4 00
Tuberoses	2 00@ 3 00
Smilax	10 00@15 00
Wild smilax per case	3 50
Adianum	.75@ 1 00
Hardy ferns	.10
Asparagus bunches	.35
" Sprengerii, bunches	.35 to 75c
Asters	25@ 1.50
Gladioli	2.00@ 4.00
Lilium Speciosum	2 00@ 4.00
" Auratum	10.00@15 00



HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.

P. O. Box 103, MILWAUKEE, WIS.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Your Advertisement

will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in

The Best Drummer. **The American Florist.**

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: **ORCHIDS,** HIGH GRADE **ROSES, CARNATIONS and VIOLETS.**

FULL LINE OF ALL Florists' Supplies

Fall Bulbs Of All Kinds. Write for quotations on your wants now.

E. C. AMLING,

....WHOLESALE CUT FLOWERS....

W. S. HEFFRON, Mgr. 51 Wabash Ave., CHICAGO.

REINBERG BROS.

...WHOLESALE...

Growers of Cut Flowers

800,000 FEET OF GLASS.

We can fill orders on short notice with all leading varieties of Roses and CARNATIONS.

We ARE Headquarters for fine AMERICAN BEAUTIES.

SALESROOM, 51 Wabash Ave., CHICAGO.

Mention The American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

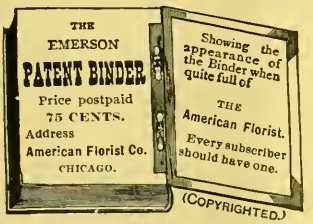
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WE ARE NOW CUTTING NEW

Brides, Maids and Beauties....

GEO. A. KUHL, Pekin, Ill.



Please mention the American Florist.

Wholesale Flower Markets

CHICAGO, Sept 29.

Roses, Beauty,	extra long stems		3.50@4.00
" "	24 inch	"	2.50@3.00
" "	20 "	"	2 00
" "	15 "	"	1 50
" "	12 "	"	1.25
" "	8 "	"	1 00
" Bride			3.00@ 5 00
" Bridesmaid			3 00@ 5.00
" Perle			3.00@ 4.00
" Meteor			3 00@ 5 00
" Kaiserin			2 00@ 5 00
" La Fraoce			4.00@ 6 00
Carnations			1.00
Violets, single			1 50
Lily of the Valley			4 00@ 6.00
Auratums			8 00@12 00
Harrisii			10 00@ 15.00
Ch ysanthemums			20 00@25 00
Gladioli			1 00@ 4 00
Asters, fancy			1.00@ 3 00
Mignonette			1.00@ 2 00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy Ferns			.20
Smilax			10 00@15.00
Asparagus			50.00



HARDY CUT FERNS

FANCY and DAGGER, 75c per 1000 and no less.

Christmas Trees by the car load or in small lots.

Sphagnum Moss 50c a bbl.

Bouquet Green 5c per lb.

Cash with all orders. All orders by mail or dispatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

HALF TONES

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J. MANZ & CO.

195-207 Canal St., - - - CHICAGO.

HIGH GRADE WORK.

PROMPT SERVICE.

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THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Illinois Cut Flower Co.

WHOLESALE FLORISTS.

J. B. DEAMUD.....

51 & 53 Wabash Ave., CHICAGO.

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

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Telephone Main 3208. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

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WIRE WORK A SPECIALTY.

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SUCCESSORS TO ROGERS PARK FLORAL CO.

Wholesale Growers of **CUT FLOWERS**

51 WABASH AVENUE,

Headquarters For American Beauties. CHICAGO

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Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

COMMENCING OCTOBER 2nd, UNTIL FURTHER NOTICE, WILL BE OPEN FROM 7:30 A. M. TO 8:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES. JOBBERS IN FLORISTS' SUPPLIES

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

GALAX LEAVES.

Brilliant Bronze and Green.

$1.25 per 1000. Price in quantity on application.

HARRY A. BUNYARD,

42 West 28th Street, : NEW YORK CITY.

It is good business policy to mention the

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Wholesale Flower Markets

PHILADELPHIA, Sept. 27.

Roses, Tea	2.00@ 3.00
" " extra	4.00@ 5.00
" Beauty, extra	12.00@20.00
" " firsts	8.00@12.00
" " seconds	4.00@ 8.00
Carnations	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Asparagus	.35 @@50.00
Smilax	12.50@15.00
Adiantum	.75@ 1.00

BOSTON, Sept. 27.

Roses, Beauty, select	12.00@25.00
" ordinary	2.00@ 5.00
" Bride, Bridesmaid, Meteor	.50@ 4.00
" Kaiserin	1.50@ 6.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asters	.25@ 1.00
Gladioli	1.00@ 4.00
Japan Lilies	2.00@ 3.00
Smilax	8.00@10.00
Asparagus	50.00
Adiantum	.50@ 1.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

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1122 PINE STREET,

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A complete line of Wire Designs.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

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'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

EDWIN A. PARKER, Wholesale Florist,

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Consignments of Roses, Carnations and Violets solicited.

Wm. J. Moore, WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

BOSTON FLORISTS' EXCHANGE....

HEADQUARTERS for choice Roses, Violets, Carnations and Chrysanthemums.

Consignmen's Solicited....

22 Chapman Place, BOSTON, MASS.

J. M. COHEN, Prop. TELEPHONE 2385.

Top Grade

BEAUTIES, BRIDES, BRIDESMAIDS.

LILY OF THE VALLEY and METEORS, for summer shipments.

Extra Carnations.

New Telephone No. 1998 Madison Square.

JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.

J. K. ALLEN,

...Wholesale Florist...

SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.

New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.

Wholesale Florist,

New Telephone No. 1803 Madison Square.

43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,

WHOLESALE FLORIST

New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*

Roses shipped to all points. Price List on application.

JOHN YOUNG,

ROSES, CARNATIONS, VALLEY

and all other choice cut flower stock.

51 W. 28th Street, NEW YORK.

New Telephone No. 1905 Madison Square.

Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR

Violets and Carnations.

GROWERS and BUYERS make a note of this. It will be to your advantage.

WM. H. GUNTHER,

.... 30 West 29th Street.

New Telephone No. 551 Madison Square.

Please Mention the American Florist.

FRANK MILLANG,

CUT FLOWERS,

WHOLESALE COMMISSION,

408 E. 34th Street,

Cut Flower Exchange. NEW YORK.

Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE

404-412 E. 34th St. Near Ferry.

Open for Cut Flower Sales at 6 o'clock Every Morning.....

DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.

JOHN DONALDSON, Secretary.

Please Mention The American Florist.

YOUNG & NUGENT,

WHOLESALE

Commission Florists

NOW OPEN FOR BUSINESS AT

42 West 28th Street,

Telephone 2065 Madison Sqr. NEW YORK CITY.

Always mention the.....

American Florist

when writing advertisers.

Choice Carnations Choice Roses

Traendly & Schenck

NEW YORK CITY

New Telephone No. 270 Madison Sq.

38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Sept. 27.

Roses, Beauty select	10.00@25 00
" " ordinary	2.00@ 5 00
" Bridesmaid, Bride, Morgan	.50@ 3 00
" Kaiserin, Meteor	1 00@ 4 00
Carnations	.50@ 1 00
" fancy	1.00@ 2.00
Lily of the valley	1 50@ 2 50
Longiflorum	2 00@ 4 00
Ghadoli	1 50@ 2 00
Asters, per hundred bunches	1 00@ 3 00
" fancy	.50@ 1 00
Cattleyaa	35.00@40 00
Smilax	5 00@ 8 00
Asparagus	25 00@35 00
" Sprengeri, per doz. bunches	1@2
Adiantum	.40@ .50

BUFFALO, Sept. 28.

Roses, Beauty	3.00@25 00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1 00
" fancies	1.00@ 2.00
Lily of the valley	3.00@ 4 00
Lilium Speciosum	4.00@ 6 00
Asters	.50@ 1 50
Tuberoses	3.00@ 6 00
Dahlias	75@ 1 25
Smilax	10.00@15 00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	.50 00@60.00
Gladiolus	1.00@ 3.00

MILLANG & CO.

WHOLESALE

Commission Florists

48 West 29th St., NEW YORK.

New Telephone No. 1304 Madison Square.

Capable, experienced. Consignments solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES SWEET PEAS LILIES

JULIUS LANG

53 WEST 30th STREET NEW YORK

CARNATIONS Tel. 280 Madison Sq.

THE NEW YORK CUT FLOWER CO.

119 and 121 West 23d Street, 112 and 114 West 24th Street,

Telephone 733—18th. NEW YORK.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

M. A. HART,

Commission DEALER IN Cut Flowers,

44 WEST 29TH STREET, NEW YORK CITY.

THE BEST MARKET IN NEW YORK.

'Phone 325 Madison Square.

Ford Bros...

Wholesale Florists

111 West 30th Street, NEW YORK.

Consignments Solicited. 'Phone, 157 Madison Sq.

Galax Leaves

For Summer Use in Cold Storage.....

Write the INTRODUCER,

HARLAN P. KELSEY,

1106 Tremont Bldg., BOSTON, MASS.

Now Ready!

The American Florist Company's..

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY,

324 Dearborn St., CHICAGO, ILL.

EDW. C. HORAN,

47 WEST 28TH ST.,

Tel. 421 Madison Square. ...NEW YORK.

Cut Flowers at Wholesale.

All ready for business in our enlarged, attractive, new location. Can accommodate a few more consignors of desirable stock.

OFFERING AT PRESENT...

BEAUTIES, BRIDESMAIDS, BRIDES, METEORS, CARNOTS, KAISERINS, CARNATIONS, VALLEY, LILIES, ASTERS, GLADIOLI, ETC.

LATER ON....

VIOLETS A SPECIALTY.

KEEP POSTED AS TO NOVELTIES IN MARKET BY ATTENTION TO THIS SPACE WEEKLY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

OLIVER ATWOOD, of Lewis Atwood & Son, Winterport, Me., has just made a business tour of the state.

H. W. BUCKBEE has been at Springfield, Ill., this week in charge of the floricultural features of the State Fair.

VISITED CHICAGO:—Eugene Schaettel, representing Vilmorin-Andrieux & Co., of Paris, France; Chas. N. Page, Iowa Seed Co., Des Moines, Ia.

THE Washington County, N. Y., crops of cucumber seed will run from 100 to 150 pounds per acre. This short crop is due to the drought during the summer months.

TWO large lots of Japan grown Lilium longiflorum are reported to have reached New York in very bad order, practically worthless. This will no doubt make short deliveries of many orders.

NEW ORLEANS, LA.—Armand Kerlec & Son have opened a new store for the sale of seeds at 512 Ursuline street. J. A. Shalk has also embarked in the same business on Decatur street, near Ursuline. M. M. L.

PHILADELPHIA, PA.—William Henry Maule's seed warehouse and office building, 1711 Filbert street, was badly damaged from fire in a large storage warehouse next door. The loss is mostly on stock, as the building was not hurt to any great extent. Smoke and water, however, played havoc with the large stock of seeds on hand, the loss being estimated at from $25,000 to $40,000, on which there is probably enough insurance to cover the damage. The fire broke out at 8:30 last Wednesday morning and it was 11 o'clock before it was under control. K.

St. Paul.

The American Bag Filling Machine Co. is the name of a new corporation here which will manufacture a new packet filling machine recently patented by A. Martin and S. B. Bowden of this city. Its lightness, simplicity, cheapness and its accuracy in filling and pasting packets are the main points of superiority over other machines now on the market.

L. L. May and family have returned from an eastern trip. Mr. May speaks very encouragingly of the outlook for the seed trade. His firm now has 150 travelers on the road.

H. F. Darrow, manager of L. L. May & Co.'s catalogue department, has been stricken with nervous prostration and has gone to Ohio to recuperate.

Onion sets and seed potatoes are reported a good crop in this vicinity.

S. B. Dicks and J. Comont were recent callers on the trade here. FELIX.

The Nebraska Seed Crops.

WATERLOO, NEB., September 25.—The sweet corn crop, in nearly all kinds is a heavy one. Until two weeks ago there were no worms; since then they have appeared in large numbers, but have not done the damage they would have caused had they put in an appearance when the corn was in the milk. The yield will probably be fifty per cent better than last year. There is a good crop of field corn, with surpluses of most kinds.

Muskmelons are nearly all seeded, and while some varieties produced a good crop, it can on the whole only be called a light crop with most kinds. This is due to the excessive rains which during the season completely destroyed some plantations and injured others more or less. If the weather remains favorable for a week or ten days longer, the yield of a number of kinds may be increased from twenty-five to fifty per cent; but that is hardly to be expected, for a killing frost is likely to occur any night.

Water melons will yield a good average crop, some varieties even above it. Squash and pumpkin will yield much better than last year, although there will be quite some shortages. Cucumbers are much better than last year, some sorts producing 400 pounds to the acre in favorable locations; but these are exceptions. From 200 to 250 pounds per acre, some up to 300 pounds, are the usual yields this year.

On the whole, although by no means a satisfactory year, crops have turned out much better than was anticipated at various periods of their growth.

MONTCLAIR, N. J.—Disease has developed among violets in this section during the past week and growers are apprehensive of the result.

Chinese Narcissus are the most salable bulbs to retail buyers; they are cheap, well-known and give universal satisfaction.

NEW STOCK NOW READY.

CHINESE ..SACRED LILY..

—OR—

"Joss" Flower.

WRITE FOR PRICES.

VAUGHAN'S SEED STORE,

CHICAGO: 84 Randolph Street. NEW YORK: 14 Barclay Street.

CALIFORNIA BULBS

Grown at our own farms; now at hand ready for shipment; in prime condition.

Freesia Refracta Alba

(True White, From Bermuda Seed).

Mammoth Bulbs,	¼ to ⅜ in. diam.,	$7 per 1000	
Extra Selected,	⅜ to ½ in.	"	all sold.
First-class,	¼ to ⅜ in.	"	$2 per 1000

Calla Aethiopica....

Mammoth Bulbs,	6 in. and upcircum.,	$9 per 100	
Extra Selected,	5 to 6 in.	"	7 "
First-class,	4 to 5 in.	"	5 "
Second size,	3 to 4 in.	"	3 "

JACKSON & PERKINS CO., NEWARK, NEW YORK.



Forcing Tomato "Frogmore Selected"

Mr. Herrington tells me this is a grand variety. I offer it in Veitch's original packets. Price 50c.

True Lorillard Forcing Tomato

Specially saved for my trade by the originator, Mr. Jno. G. Gardner. Trade pkts. 15c, 25c and 50c free by mail. Bulk price on application.

Sutton's Best of All Forcing Tomato

Large, round, deep scarlet, very prolific. Our own specially selected stock. Trade pkts. 15c, 40c and 75c. Bulk price on application. Stamps accepted for small amounts.

GEORGE C. WATSON,

Seedsman....

BULBS, RAFFIA, MUSHROOM SPAWN. Juniper and Walnut Streets, PHILADELPHIA.

GENUINE DANISH SEED

only direct from

R. WIBOLTT, seed grower

Nakskov, Denmark.

Pricelist on application



Mr Ball Head Miss Snowball

both of Denmark.

Awarded the largest Silver Medal in St. Petersburg in May, 1893.

LILY OF THE VALLEY PIPS.

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	
etc.	etc.	etc.

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

BOBBINK & ATKINS,

Representatives of the following European Houses:

The Horticultural Co., Boskoop, Holland, H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Snoeck Bros., Gendbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

Do not forget to say "saw your ad. in the AMERICAN FLORIST" when corresponding with advertisers

BEGONIAS

Assorted varieties from 2-in. pots.
$2.00 per 100.
EXTRA STRONG.
GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**
CASH, PLEASE.

Edward B. Jackson,
STAMFORD, CONN.

	Per 100
ASPARAGUS SPRENGERII, 2½-inch pots	$6.00
ASPARAGUS TENUISSIMUS, 2½-in. pots	4.00
CAREX VARIEGATA, 2½-in. pots	5.00
BEGONIA REX, 5-in. pans	10.00
PRIMULA (Chinese), Obconica fimbriatum and Obconica hybridum, 2-in. pots, $2.50 per 100; 3-in. pots	5.00
CYCLAMEN, finest strain, in 4 colors, 2½-inch pots	5.00

☞ All of the above plants are in fine condition and are sure to give satisfaction.

NATHAN SMITH & SON,
ADRIAN, MICH.

PRINCESS OF WALES Violets

Fine stock from 4-inch pots, clean and in first-class condition.
$6 PER 100; $55 PER 1000.
CASH PLEASE.

CRITCHELL'S,
110 East 4th Street,
B. P. CRITCHELL, Mgr. **CINCINNATI, O.**

WANTED.

About **8000 MARIE LOUISE VIOLET PLANTS** Must be strong and free from disease. Correspondence with samples solicited.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

VIOLETS FIELD-GROWN.

Marie Louise, perfectly clean and healthy; good stock, **$4.00 a 100; $35.00 a 1000.** Cash with order. Sample, 10 cents.

R. KILBOURN, CLINTON, NEW YORK.

ROSES—VIOLETS.

	Per 100,
Woolsons, fine, 2½ and 3-in., to close out, at	$2.50
Meteors, " " " "	2.50
Brides, " 5-in., " "	5.00
VIOLETS, M. Louise, field-grown	4.00
" Farquhar, " "	5.00
" California, " "	5.00
CARNATIONS, Wm. Scott, from open ground	4.00

Robert F. Tesson, West Forest Park, ST. LOUIS, MO.

Roses, Meteors, 2½-in. pots, per 100, $4.00; Bridesmaids, 3-in. stock, " 5.00; Kaiserin, 4 " " 8.00; in 2½-in. pots " 3.00

Violets, field-grown . . . $40.00 per 1000; " 5.00

Carnations, field-grown, ready after Sept. 1st, all the leading varieties—$5.00 per 100, $40.00 per 1000.

W. F. KASTING,
481 Washington St., BUFFALO, N. Y.

Arrived LILIUM LONGIFLORUM

in excellent condition. Sound, plump, healthy, well matured. Having handled and supplied these bulbs to the growers for over **twenty years**, we can recommend them as a **paying investment**. We offer:

5-7 in. circ.	per 100, $2.50;	per 1000, $22.50	7- 9 in. circ.	per 100, $6.50;	per 1000, $60.00
6 8 "	" 4.00;	" 38.50	9-10 "	" 12.00;	" 110.00

Lil. Harrisii To Close Out, 5-7: 100, $4.00. case 400: $15.00.

Extra Cyclamen Giganteum Bulbs, most brilliant colors; bulbs 1½-2½ in. diameter: Per Doz., $1.50; per 100, $9.00.

....CALLA AETHIOPICA BULBS....

Sound center shoots. Finest flowering stock.

3-5 in. circ.	per 100, $4.00;	per 1000, $35.00
4-6 "	" 5.50;	" 50.00
5-7 "	" 7.50.	25 bulbs at 100, 250 at 1000 rate.

Chinese Narcissus, basket 30 bulbs.....$1.50. mat of four baskets, 120 bulbs.....$5.00.

KENTIA BELMOREANA AND FORSTERIANA SEED.

Guaranteed fresh 1899 crop—no old 1898 left over seed. Australian climate ripens seed by July-August. 100 seeds, **including delivery**, 60 cts.; 1000, $4.25; 10,000, $40.00. Sample dozen sent on receipts of 10 cts. Full stock **Hyacinths, Tulips, Crocus, Etc.**
Send for prices of **Azaleas, Roses, CYCAS REVOLUTA Stems, FERN BALLS.**

H. H. BERGER & CO., 47 BARCLAY STREET, **New York.** ESTABLISHED 1878.

CINERARIA	CYCLAMEN	PRIMULA	PANSY
Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.	Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.	Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.	Rolker's Giant, $5.00 oz.; ½ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 32 Dey St., New York.
When writing mention the American Florist.

PALM Seed. FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5 00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

Cyclamen Giganteum IN.... VARIETY.

FINE PLANTS in
2½-in. pots.....$4.00 per 100
3 " 8.00 "

EDWIN LONSDALE,
Wyndmoor,
Chestnut Hill, PHILA.

Money order office. Chestnut Hill (Sta. H.) Philadelphia, Pa.

Orchids!



JUST ARRIVED IN FINE CONDITION, a fresh shipment of *Cattleya labiata* and *C. Speciosissima*, also a limited quantity of *C. Gaskelliana.* ☞ Cherry Wood Baskets, Fresh Moss and Peat.....

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

We beg to announce to the TRADE that we have our own collectors in the Tropics and are booking orders for

CATTLEYA TRIANÆ, MENDELI GIGAS and AUREA, and
ODONTOGLOSSUM CRISPUM (Pacho types) for delivery spring 1900

We also have the finest collection of Lælio-Cattleya Hybrids in America, catalogues of which will be sent on application. **ARNOLD & CO.,**
222 St. Marks Sq., Philadelphia. *Orchidists.*

ESTABLISHED 1802

THORBURN'S SEEDS

Dutch Bulbs
AND
LILY OF THE VALLEY PIPS
for Forcing and Outdoor planting.

Florists and Dealers are invited to send for Trade List now ready.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,
42 W. 28th St., - NEW YORK CITY.

ACALYPHA SANDERI...

2½-inch plants.....$12.50 per 100
3-inch plants.....$18.00 per 100

RAMBLER ROSES. Yellow, White and Pink, strong 2 year plants, $10.00 per 100

The Conard & Jones Co., West Grove, Pa.

Always mention the American Florist when you order stock.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS Pres.; D. S. LAKE. Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

PEACH seed is reported rather scarce and prices are a considerable advance over last year.

H. C. PECK has completed the no small task of inspecting the fifty-one nurseries at Dansville, N. Y., but did not find a trace of scale.

FRANKLIN K. PHŒNIX, Delavan, Wis., although in his seventy-fifth year, is hale and hearty and doing a successful nursery business. He made a display at the Elkhorn Fair this week.

WM. LONGWORTH, who has conducted a nursery near Bloomington, Ill., for several years, is preparing to retire. He is in his eighty-fifth year and has resided at Bloomington since 1830.

FRUIT stocks in general are being cleaned up in the west and many lines are scarce, Keiffer pear, for instance commanding $150 per thousand. Prices for peach trees have not advanced as much as was expected.

Lincoln, Neb.

At the State Fair there was a large floral display, Louis Henderson, Omaha, leading for the cut flower premiums. Henderson was also first for floral design with the "Old Oaken Bucket"; Chapin Bros., Lincoln, were second with "Rock of Ages." B. Hass was represented in this class by a floral cannon. Hess & Swoboda, Omaha, won first prize for wreaths and every feature of their exhibits was excellent. P. B. Floth and E. C. Erfling were also among the prize winners.

30,000 FIELD-GROWN CARNATIONS
STRONG AND HEALTHY PLANTS.
New York, Frances Joost, $7.00 per 100.
Victor, Daybreak, Genesee, Freedom, $6.00 per 100; $50.00 per 1000.
Bon Ton, Wm. Scott, Ferd Mangold, Empress, McGowan, Alaska, $5.00 per 100; $45.00 per 1000.
Ask for samples at 100 price. Cash with Order.
S. J. REUTER, - Westerly, R. I.

STRONG FIELD-GROWN CARNATIONS
WM. SCOTT, L. MCGOWAN, TIDAL WAVE, SCARLET WAVE, VICTOR AND ALASKA.
☞ Ask for prices.
J. H. FIESSER, West Hoboken, N. J.

TARRAGON....
LARGE CLUMPS for forcing, 75 cts. per dozen; $5.00 per 100.

LILACS....
FINE BUDDED, from 6-inch pots (5 years old), for forcing, $15.00 per 100. **Ready now.**
SEA CLIFF NURSERY, Sea Cliff, L. I.
FD. BOULON, Prop CASH WITH ORDER.

CARNATIONS. FLORA HILL, DAYBREAK, SCOTT AND PORTIA, $5.00 per 100; $40.00 per 1000.
FERNS for Dishes, strong 2 and 2½-inch, $3.00 per 100; $27.50 per 1000. **Maranta Massangeana**, 2½-inch, $5.00 per 100; $40.00 per 1000.
Asparagus Plumosus, $4.50 per 100; $40.00 per 1000.
Asparagus Sprengerii, 3-inch $7.00 per 100.
Dracæna indivisa, strong, field-grown $15 per 100.
Gloire de Lorraine Begonia, 2½-inch pots, $2.50 per doz.; 3-in. $3.50 doz. **C. Merkel & Son, Mentor, O.**

For Parks, Cemeteries or Private Grounds,
we can furnish a very large and superior stock of
FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.
Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.
Remember we are Headquarters for Nursery Stock in the East.
Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.
SATISFACTION GUARANTEED. ADDRESS...
STEPHEN HOYT'S SONS. New Canaan. Conn.

250,000 MILLER'S RED RASPBERRY PLANTS.
300,000 EARLY HARVEST BLACKBERRY PLANTS.
150,000 LUCRETIA DEWBERRY PLANTS.
All of the above at $5.00 per 1000.
125,000 STRAWBERRY PLANTS, four of the best leading sorts, at $2.00 per 1000.
125,000 PEACH, 1 year from the bud and June budded, in surplus.
20,000 JAPAN PLUM, 1 year from bud, also in surplus.
MILFORD NURSERIES,
ALEX. PULLEN, Prop. **MILFORD, DEL.**

CLEMATIS, 2½ and 3-in. pots, well established with good growth.....
Jackmanni, President, Lilacina, Gypsy Queen, Henryii, Baugholme, Mme. Bar. Veillard, Mme. Ed. Andre, Duch. of Edinburgh, Sieboldi, Lawsoniana, Ramona. In collection including 25 per cent Jackmanni, $5 per 100; Paniculata, $3.50 per 100; Jackmanni or Duch. of Edinburgh, $6 per 100. All of the above varieties, 2 and 3 yrs. old, strong, $17 per 100, $160 per 1000. Paniculata, $10 per 100.
JOHN WALZ, 401 Central Park, **Rochester, N. Y.**

HARDY SHRUBS.
Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.
SAMUEL C. MOON. Morrisville, Bucks Co., Pa.

HARDY Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS
ESTABLISHED 1854.

HEADQUARTERS FOR HARDY ROSES.
We are now booking orders for Roses in large lots at **REDUCED PRICES.** Write for particulars.....
W. & T. SMITH CO., Geneva, N. Y.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

Catalogue Illustrations.
We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....
THE AMERICAN FLORIST CO.

PRIMROSES AND PANSY PLANTS.

	Per 100	Per 1000
44,000 Primulas, Alba, Rubra and Mixed, 2¼-inch.....	$2.00	$18.00
14,000 Primulas, Obconica and Japonica alba, 2¼-inch.....	2.00	18.00
4,000 New Yellow Baby Primrose, 2¼-inch	10.00	90.00
24,000 Pansy Plants, large flowering (large).....		5.00
14,000 Petunias, Double and Fringed, mixed, 22 varieties, 2¼-inch.....	3.00	25.00
1,000 New Geranium De Roo Mitting.....		Per Doz. $1.20
200 Asparagus Plumosus, 6-inch.....		3.00
1,000 Lycopodium Dent. 2¼-in.	2.00	
1,000 Pelargonium The Queen, 2¼-inch.....	3.00	
1,000 True Maidenhair Fern, 2½-inch.....	5.00	

THE MORRIS FLORAL CO.
MORRIS, ILL.
Please mention American Florist.

DRACÆNA INDIVISA.
100 4-inch plants, $10.00.
SMILAX, strong plants, 2½-inch, $1.50 a 100.

Carnation Plants.
These plants are not "remnants"; they are first-class in every respect.

FLORA HILL.....	$6.00 per 100
PORTIA.....	3.50 "
WM. SCOTT.....	3.50 "

GEORGE SOUSTER, Elgin, Ill.

10% OFF FOR CASH.
CARNATIONS FROM THE FIELD.

2500 FLORA HILL.....	1st size,	
1500 DAYBREAK.....	$45.00 per 1000;	
500 TRIUMPH.....	$5.00 per 100.	
1000 FLORA HILL.....	2nd size,	
500 DAYBREAK.....	1000, $35; 100, $3.50.	

ISAAC A. PASSMORE,
Route No. 4. **WEST CHESTER, PA.**

CARNATIONS!
I can supply you the best standards as well as novelties.
Write for price list.....
S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.

CARNATION PLANTS.
Scott, Helen Keller, Tidal Wave, Sweet Brier, Storm King, Kohino-o, Outcast, Victor, Daybreak, Meteor, —$4.00 per 100.
The above are all No. 1 plants and in good shape, no culls.
EVENDEN BROS, Williamsport, Pa.
Mention American Florist.



Choicest Fruit and Ornamental Trees.
Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free.
THE STORRS & HARRISON CO., Painesville, O.

FIELD-GROWN

Carnation Plants.

SCOTT.....$5.00 per 100
DAYBREAK..... 5 00 "
BON TON..... 5.00 "

We would like a few good customers for our flowers. All the new varieties.

Steel Wire Plant Stakes.

The balance of our stock at reduced prices.....

H. F. LITTLEFIELD, Worcester, Mass.

ONLY A FEW LEFT!

Good Carnation Plants NO CULLS.

1000 Emily Pierson, per 100, $3.00; 1000, $25.00
1000 Albertini..... " 3.50; " 30.00
500 McGowan..... " 3.00
200 Helen Keller.. " 3.00
300 mixed varieties " 2.50

W. C. BRYFOGLE, Bloomsburg, Pa.

SURPLUS CARNATIONS.

1000 McGOWAN and 150 SCOTT, good, clean stock, $3.00 per 100, or $25.00 per 1000.

Address KRING BROS., Fairbury, Ill.

CARNATIONS

	Per 100	Per 1000
1000 McGOWAN	$4.00	$35.00
500 WM. SCOTT	4.00	
500 PORTIA, medium	3.00	
500 Strong SMILAX, 3-inch	2.00	

For cash with order.....

ARTHUR MALLON, JR., West Collingswood, N. J.

Carnations FIELD GROWN

HEALTHY, GOOD STOCK.

EVANSTON, $8.00 per 100.

DAYBREAK, PORTIA, SCOTT, PINGREE, KOHINOOR, $3.00 per 100.

A. G. PRINCE & CO.,
76 & 78 Wabash Ave., CHICAGO, ILL.

CARNATION MRS. FISHER,

$4 per 100, $30 per 1000, first-class plants.

DOUBLE ENGLISH BUTTERCUP, always in bloom, Memorial, $12.00 per 100.

NORWAY SPRUCE, once transplanted, $1.00 per 100.

Geo. L. Mahoney & Co., SACO, MAINE.

1200 WM. SCOTT,

FINE, FIELD-GROWN PLANTS, $2.50 per 100.

☞CASH WITH ORDER.

John Van der Wal
1730 W. 107th St., CHICAGO.

20,000 FIELD CARNATIONS

that must be sold: McGOWAN, PORTIA and SCOTT, fine healthy plants, $4.00 per 100; $35.00 per 1000.
5000 CALIFORNIA VIOLET clumps, $3.00 per 100.
5000 SPIRÆA ANTHONY WATERER, fine for Easter. Field plants, 5 cts.
GENISTA for Easter, 2½-inch, fine, 4 cts.

BENJ. CONNELL, Florist, West Grove, Pa.

CARNATION PLANTS.

Fine, strong, field-grown.

	Per 100		Per 100
800 Flora Hill	$5.00	150 Argyle	$4.00
450 Bon Ton	4.00	125 Meteor	4.00
150 Scott	4 00	150 Mrs. Bradt	4.00
100 Gov. Pingree	4.00	130 White Cloud	4.00
90 Evelina	5.00	150 Silver Spray	3.00

E. HAENTZE, Fond du Lac, Wis.

HIGH-GRADE CHRYSANTHEMUMS WANTED.

WHILE we will have "Mums" for all, in all grades, we desire to secure a larger supply of strictly gilt-edged stock. Growers assured of a cut of first-class "Mums" will find it to their interest to correspond with

E. C. AMLING, WHOLESALE CUT FLOWERS.
W. S. HEFFRON, MGR. 51 WABASH AVE., CHICAGO.

FIRST QUALITY FORCING ROSES!

Perfectly Healthy and Grown Especially for Late Planting.
Only selected growth from flowering shoots used in propagating.

SUNSET, SAFRANO, PRES. CARNOT, KAISERIN, METEOR, MAIDS, WOOTTON, PERLE, MME. HOSTE.

3-inch pots, $5.00 per 100; 4-inch, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

ROSES AND OTHER PLANTS.

OUR semi-annual Trade List now ready. All the new and old Roses. Also PALMS, FERNS, BULBS and all kinds of plants. Write for it to-day. Send us your list of Roses and we will price same for future delivery.

The Largest Rose Growers in the World. THE GOOD & REESE CO., Springfield, O.

AMERICAN BEAUTY

Bridesmaid Perle. Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

FIELD-GROWN

CARNATION PLANTS

Strong, healthy stock now ready.

	Per 100
MELBA, MAUD ADAMS, G. H. CRANE	$12.00
ARGYLE	5.00
DAYBREAK	5.00
FLORA HILL, WM. SCOTT, EVELINA, ARMAZINDY	$40 per 1000, 5.00
LIZZIE McGOWAN	4.00

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St.
CHICAGO: 84-86 Randolph St.
Greenhouses: Western Springs, Ill.

Finest Forcing Roses

	2¼-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices.

Send for prices. Cash with order.

SMILAX, fine young plants, $12.00 per 1000.

THE NATIONAL PLANT CO., Dayton, O.

DAYBREAK!

Extra fine field-grown plants, now ready for delivery—$6.00 per 100.....

JOHN McFARLAND,
NORTH EASTON, - - - MASS.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, Atco, N. J.

FINE Field-Grown **Carnation Plants**

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Bon Ton and Scott. $4 00 per hundred.

☞Cash with order please.

VAN WERT GREENHOUSES, Van Wert, O.

12,000 ROSES

occupy our propagating houses and must be moved at once to make room for 50,000 VERBENA and PETUNIA CUTTINGS In order to move this stock quick we will offer it at HALF VALUE for 30 days. Every plant guaranteed as fine as was ever knocked out of 3½ and 4-in. pots—4c.; $35.00 per 1000. The same, strong, 2½ and 3-in., 3c.; $25.00 per M. Meteors, Maids, Brides, Perles, Kaiserin, strong, 3-in., at same price. The same, strong 2¼-in. 3c; $25.00 per 1000.

☞Cash. First come first served.

20,000 CARNATIONS, standard sorts, fine plants, $3 50 per 100.

SMILAX PLANTS, strong, ready to string up, at $1.00 per 100; fine cut strings, 6 to 8 ft. long, 15c each.

SOUTH SIDE FLORAL CO., Springfield, Ill.

ROSES

G. Van Bochove & Bro., Growers,
.....KALAMAZOO, MICH.

Fresh A No. 1 Stock.
TRY US.

ROSES.

BRIDE, BRIDESMAID, PERLE, WOOTTON, MME. CHATENAY, 3 and 4-in. pots, $4 per 100.

The above are all good, strong stock, fit for immediate planting.

EVENDEN BROS., Williamsport, Pa.

They Must Go.

Grand 3-inch BBIDES, METEORS, MAIDS, at 40 per cent. discount to close. This is really superb stock, bushy and full of shoots. Cheap only in price. If you mean business, write for free samples and price. This stock will make you good money.

W. H. GULLETT & SONS, Lincoln, Ill.

H. P. ROSES.

	Doz.	100.
Strong 2 year plants, own roots	$1.50	$10.00
Double white Poet's Narcissus		1 00
Monthly Roses from pots or open ground		8.00

PAEONIES for fall planting in choice assortment, $10 per 100.

CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

St. Louis Juniors.

At the last regular meeting of the St. Louis Junior Florists' Bowling Club the following scores were made:

Name	1st	2d	3d	Av.
A. Y. Ellison	132	174	129	145
H. Betteken	164	130	127	143
G. Ang rnueller	101	130	127	119
W. Adels	129	120	104	118
J. Arado	113	106	125	115
J. Lupe	88	106	147	114
A. Meyers, Jr.	114	93	77	95

A. Y. E.

At Philadelphia.

Bowling goes on merrily and before long a series of contests for prizes will be laid out for the winter campaign. Two-hundred scores used to be looked upon as phenomenal, but of late scarcely a week goes by that one or more does not go on the slate. Last week's record is George Craig, 202; J. Walker, 203; Wm. Johnson, 205; J. Hamilton, 213, and George Anderson, 232, within six pins of the record, which he would have held if he had not missed the spare in the last frame. "Deacon" Harris is getting into the harness again, putting up 168 in one game last week. K.

At Chicago.

There was quite a large aggregation of Chicago florists at Anson's alleys on the evening of September 22, when it was expected that a team representing the Armour grain employes of this city—many of whom are crack bowlers—would roll a series of games with the florists. Only three of the Armour men put in an appearance, however, and these were easily defeated by three members of the Florists' Bowling Club. The scores and averages follow:

Armour team	1st	2d	3d	Total	Av.
Smith	163	111	135	409	136
Ennis	99	130	134	363	121
Pratt	110	78	101	279	93
Grand total				1051	

Florists' team	1st	2d	3d	Total	Av.
Stollery, G.	201	144	186	531	197
Winterson	153	205	167	525	175
Asmus	156	196	143	495	165
Grand total				1551	

While the foregoing games were in progress, and afterward, a number of games were rolled by the florists. Here are the figures:

Name	No. games	High score	Av.
Asmus	2	201	195
Stollery, G.	2	223	178
Winterson	3	212	173
Stollery, F.	3	165	160
Kreuling	8	179	139
Degnan	8	164	139
Pruner	8	167	139
Zech	2	147	138
Benthey	4	172	130
Henderson	3	141	119
Hunt	1	118	118
Lange	3	129	113
Vaughan	1	112	112
Euders	4	121	102

Last Tuesday evening C. C. Pollworth, of Milwaukee, A. Henderson and C. Balluff rolled a few games, Pollworth making the high score with 174.

It is stated that there will be a bowling contest between Milwaukee and Chicago florists in this city flower show week.

At Flatbush.

Last Thursday evening saw a very full attendance at the bowling alley, with a feeling of seriousness prevalent, which was eventually enlivened by the arrival of four visitors, Messrs. Robt. Craig, Frank Traendly, J. P. Cleary and W. J. Stewart:

Name	1st	2d	3d	Av.
P. Riley	182	177	140	166
E. Dailledouze	119	117	160	132
H. Dailledouze	149	102	134	128
L. Schmutz	134	134	117	128
J. I. Raynor	108	146	129	128
W. Prosser	139	104	139	127
C. Wocker	125	126	117	123
P. Dailledouze	125	112	132	123
C. Woerner	94	147	127	123
D. Y. Mellis	115	130		123
L. Kuhne	114	98	94	102
C. Zeller	97	97	99	98

At New York.

The bowling meeting on Monday evening was full of enthusiasm. Old heroes and young aspirants were there and it was a merry time all through. The first of a series of games with the Flatbush boys will come off on October 9, at 3 p. m., on the New York alleys. The New York Florists' Club will meet that evening and the two events may be relied upon to bring out a big crowd. The O'Mara trophy, a handsome ball and case, will be keenly competed for next month. Scores made on Monday were as follows:

Name	1st	2d	3d	4th	5th	6th.	Av.
F. H. Traendly		150	147	171	118	137	145
T. J. Lang		126	192	137	148	98	140
P. O'Mara	168	148	174	112	100	129	139
Chas. Schenck		102	114	150	137	148	134
A. S. Burns	149	128	177	131	135	125	131
Jas. Withers	170	139	117	108	103	144	129
W. H. Siebrecht				116	93	170	126
Julius Roehrs				117			117
Jas. Donlan			126	117	122	91	114
Marshall				125	126	92	114
G. W. Stumpp				110			110

CARNATIONS

Field-Grown Plants.

Until sold out we offer the following varieties; all strong, well-grown plants. An extra fine lot of Hector, Evelina and Joost. We must clear the field. Order quick.

	Per 100
HELEN KELLER	$5.00
ALBERTINI	5.00
PINGREE	6.00
McBURNEY	4.00
TRIUMPH	6.00
HECTOR	6.00
ARMAZINDY	4.00
PORTIA	4.00
STORM KING	5.00
WELLESLEY	5.00
MRS. F. JOOST	6.00
FIREFLY	4.00
ARGYLE	4.00
CERISE QUEEN	4.00
EMPRESS	5.00
WM. SCOTT	6.00
JOHN YOUNG	6.00
EVELINA	6.00
NEW YORK	5.00
DAZZLE	4.00

1000 rates 20 per cent discount. 500 plants at 1000 rates.

H. WEBER & SONS, Oakland, Md.

CARNATION PLANTS.

STRONG FIELD GROWN.

	Per 100	Per 1000
EVELINA	$5 00	$40 00
McGOWAN	3 00	25 00
PINGREE	3 00	25.00
McBURNEY	5.00	40 00
TIDAL WAVE	3.00	25 00
ARGYLE	5.00	40.00
SCOTT	3.00	25 00
KOHINOOR	3.00	25 00
PORTIA	3 00	25.00

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS.,
51 Wabash Ave., CHICAGO.

Field Grown CARNATION PLANTS

I have the following varieties left:

150 Bradt, 150 White Cloud,
600 Armazindy, 800 Argyle,
$4.00 per 100.
500 Argyle, - $2.00 per 100.
1000 Daybreak, 100 Evelina,
200 Flora Hill, $3.00 per 100.
400 Flora Hill, - $5.00 per 100.
300 Portia, - - - $6.00 per 100.

You will make no mistake to send me your order, for my stock is the best in the market. Cash with order.

N. ZWEIFEL, 14th St. and Greeling Ave., MILWAUKEE, WIS.

Surplus Stock
of A No. 1

FLORA HILL CARNATIONS.
Field-grown, clean and healthy, at $5.00 per 100; $40.00 per 1000.
VICTOR, EMPRESS and BON TON, at same price.
McGOWAN, at $3 per 100; $25 per 1000.
Cash or satisfactory reference with order.

W. E. HALL, Clyde, Ohio.

FINE FIELD-GROWN

Carnation Plants

SCOTT, PINGREE, PORTIA, DAYBREAK, McGOWAN, MRS. FISHER, ELDORADO, TIDAL WAVE, } $3.00 per 100.
CASH WITH ORDER.

THE LAWRENCE GREENHOUSES, St. Marys, Ohio.

CARNATION PLANTS

Extra strong field-grown, free from disease.

ROSE QUEEN, pink $4.00 per 100
PINGREE, best yellow 4.00 "
LIZZIE TONG, white lightly penciled carmine (new) 8.00 "
EMMA WOCHER, pink 3.00 "

H. TONG, Massassauga Garden, Erie, Pa.

115,000 FIELD-GROWN
CARNATION PLANTS

Our plants are very large and stocky, perfectly healthy, free from dry leaves, etc.

	Per 100	Per 1000
WM. SCOTT	$4.00	$30.00
McGOWAN	4.00	30.00
PORTIA	4.00	35.00
ELDORADO	4.00	35.00

	Per 100	Per 1000
FISHER	$4.00	$35.00
DAYBREAK	5.00	45 00
ANNA WEBB	5.00	45.00

Our prices are very low and are for CASH only.

EDW. J. TAYLOR, Southport, Conn.

Last Call. CARNATIONS FROM THE FIELD.

4000 MELBA, extra fine plants, $10 per 100.
1200 JUBILEE, strong, $8.00 per 100.
2500 VICTOR, strong, $6.00 per 100.
2000 FLORA HILL, good, $8.00 per 100.
2000 FLORA HILL, small, $4.00 per 100.
500 WHITE CLOUD, strong, at $12 per 100.
500 MRS. JAS. DEAN, strong, at $8 per 100.
500 ARMAZINDY, at $6.00 per 100.
500 each of LILY DEAN, NEW YORK, MRS. FRANCES JOOST, $6.00 per 100,

ROBT. CRAIG & SON, Market and 49th Sts., PHILADELPHIA.

SURPLUS STOCK OF **Roses and Carnations,** strictly first-class in every respect and guaranteed to be good, healthy plants and free from disease, in the following varieties.....

ROSES: American Beauties, 3 and 4-in.; Brides, 3, 3½ and 4-in.; Maids, 3 and 4-in.; Meteors, 3-in.
CARNATIONS: Scott, Alaska, McGowan, Dana.

Write us your wants; we will quote you a price that will sell them, as we must have room for other stock.

LAKEVIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms. Jamestown, N. Y.

FIELD-GROWN
Carnations!

...SEPTEMBER DELIVERY AND LATER.
We have a very large stock, including

G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN

in good, healthy condition. Send for price list.

F. Dorner & Sons Co., La Fayette, Ind.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL — 1000 SILVER SPRAY
500 McGOWAN — 1000 IVORY
500 GOLDFINCH — 500 ELDORADO
1000 EMILY PIERSON — 500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
LOCK BOX 11, GRAND RAPIDS, MICH.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.
Geo. Hancock & Son, Grand Haven, Mich.

Carnations...
FIELD-GROWN, A1 STOCK.
Scott, Flora Hill, Portia, McGowan, Ivory and Pierson; also a few Harrison's White, Rose Queen, Goldfinch and Morello. Plants in two sizes: Medium, at $3.00 per 100; large, at $5.00 per 100.
CRABB & HUNTER, Grand Rapids, Mich.

CARNATIONS now ready. Daybreak, Scott, McGowan Eldorado Portia, Bridesmaid, Jahn's Scarlet, T. Cartledge, A. Webb, C. A. Dana, Morello, Meteor, $4.00 per 100. CASH.
D. R. HERRON, Olean, N. Y.

FIELD-GROWN
CARNATIONS!

Strong plants, clean and ready for immediate planting.

	Per 100	Per 1000		Per 100	Per 1000
TRIUMPH	$5.00	$45.00	MAYOR PINGREE	$3 50	$30 00
FLORA HILL	5.00	45.00	EVELINA	3 50	30 00
ARGYLE	4.00	35 00	McGOWAN	3.50	30.00
ARMAZINDY	4.00	35.00	ALASKA	3.50	30.00

Wietor Bros., 51 Wabash Ave., Chicago.

When writing mention American Florist.

4 Acres Field-Grown Carnation Plants, 100,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and packed light by our improved system of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINGREE — BUTTERCUP — $1.50 per dozen; $8.00 per 100.
C. A. DANA — ARMAZINDY — STORM KING — FLORA HILL
CRIMSON SPORT — DAYBREAK — JUBILEE — METEOR
CAPTAIN KING — ALASKA — ELDORADO
$1.25 per dozen. $6.00 per 100
McGOWAN — L. L. LAMBORN — SWEETBRIER — IVORY
MRS. FISHER — BRIDESMAID — PORTIA — ABERTINI
WM. SCOTT — $1 00 per dozen. $5 00 per 100.

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety size, beauty of coloring or freedom of bloom by any others grown. Price 50 cts. per 100; $4 00 per 1000.
J. L. DILLON, BLOOMSBURG, PA.

When writing mention the American Florist

Carnations

	Per 100
VICTOR, large plants	$5.00
WM. SCOTT, "	5.00
ARMAZINDY, "	5.00
MRS. JOOST, small plants	4.00
MRS. BRADT	5.00
GOLD NUGGET	5.00
EVELINA	3 00
DAYBREAK	3.00

CHICAGO CARNATION CO.
Greenhouses and Address. JOLIET, ILL.

Carnation Plants
ALL SOLD BUT

3000 DAYBREAK
300 METEOR
400 SCOTT
300 TRIUMPH

These are all first size plants and clean. To close them out, will sell them at **$4.00 per 100, or $30.00 per 1000.**

W. A. WETTLIN, Hornellsville, N. Y.

Columbus, O.

The Livingston Seed Co. report their cut flower trade as holding up well during July and August, with fall business opening strong, trade about double that of last season. Roses are beginning to take on their natural size but carnations are not in yet and demand exceeds supply. This firm, in addition to flowers grown in their own houses, contracts with parties in the surrounding neighborhood to grow certain stock for them, taking all their product. In addition, however, to this large supply, they are good customers of Chicago wholesalers. Their new three-story office building, just completed, will enable them to give more room to this largely growing part of their trade.

The next regular meeting of the Columbus Horticultural Society will be held at Horticultural Hall, Ohio State University, September 30, at 2 o'clock in the afternoon, when a paper on cannas will be read by Harry Ballou.

WATERTOWN, N. Y.—James F. Thurn, of Boston, is visiting a sister here.

WARREN, O.—Geo. W. Gaskill is recovering from his illness and is now able to sit up a part of each day, although still very weak.

15,000 Latania Borbonica.

Fine plants of exceptional value, viz.:

	Per 100	Per 1000
2 character leaves, 12-15 inch	$15 00	$125.00
2-3 " " 4-in. pots, 15-18 in.	20.00	150.00
4-5 " " 5-in. pots, 18-20 in.	25 00	
5-6 " " 5-6 in. pots, 18-20 in.	40.00	

CALADIUMS....
Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...
The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.
12-15 inch.....$12 00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS.
350 ACRES IN NURSERY STOCK.
Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries. AUGUSTA, GA.

PALMS FOR STOREKEEPERS

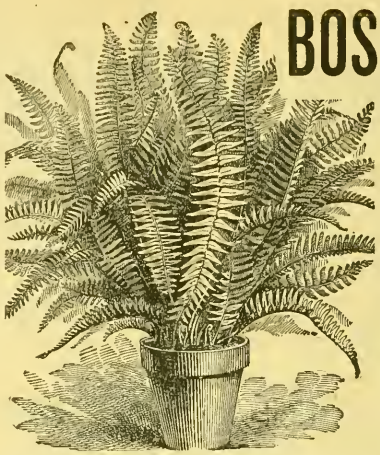
Do you want nice low stocky plants, such that don't get yellow for you or your customers? We will send such stuff as we showed at the convention.

		Per Doz.	Per 100
Lalania Borbonica.	3-in. pots	$1.50	$11.00
	4 "	3 00	22.00
	5 "	4.00	31.00
	5½ "	5.00	38.00
	6 "	9.00	88 00
	7 "		96.00
	8 "	22 00	175.00
Kentia Belmoreana or Forsteriana	5 "	9-12	72-98
	5½ "	12-15	96-120
	6 "	18 24	145-175
	7 "	30-48	250.00
Sword Ferns	4 "	1.25	9 00
	5 "	2.40	18 00

Boslonlensis, 9c. to $2.00 each.
Umbrella Plants, 4-in. pots 1.00 7.00
extra fine 5 " 1.75 13.00
Rubber Trees 5 " 5.50 43 00
6 " 9.00 70.00
" " branched.....$1.50 $3 00 apiece

Areca Lutescens, Cycas Revolula, Pandanus Utilis and Veilchii, etc. We carry a clean, cool-grown stock of over 150,000; we sell for cash only; we allow inspection at express office; have hundreds of letters of thanks for prompt and excellent service. Order now and pay only freight.
We sell for cash only, BUT, allow, etc.

ALBERT FUCHS, Estab. 1884. Only western florist who took medal on Palms, World's Fair, 1893.
2059-73 N. Halsted St., CHICAGO.



BOSTON FERNS

THE true stock. Full and compact plants, not over-drawn. We can ship reasonable distances by freight. Order now for your Fall Sales.

Strong plants from 2-inch pots
" " " 2½ "
" " " 3 "
" " " 4 "
" " " 5 "
" " " 6-in. pans. } Write for Prices.
Fine Specimen Plants 7 "
" " " 8 "
" " " 9 "
" " " 10 "
" " " 12 "

Our large stock of **PALMS, ARAUCARIAS, ETC.,** are also in the best possible condition. If you are in the market for Palms, write us for our Special Price List, now ready.

POINSETTIAS. Just the stock for Xmas flowering. Strong, stocky plants in 3-in. pots, per 100, $6.00; 4-in. pots, per 100, $10.

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St.
NEW YORK: 14 Barclay St.
Greenhouses: Western Springs Ill.

We have a LARGE and FINE stock of

KENTIAS AND LATANIAS

in POPULAR SIZES. Also Small Ferns, Cocos, Etc. Send for list.

USE OUR IMPROVED CUT FLOWER BOX.

Sample mailed free with list of sizes and cuts.

ELLIS & POLLWORTH, : : Milwaukee, Wis.

...CHINESE... PRIMROSES!

Extra strong, ready for 3-in. pots; well known throughout the U. S. and Canada as the finest large flowering fringed varieties grown. **SPECIAL PRICES:** SINGLE and DOUBLE in choicest assortment of named colors, $2 per 100, $17 per 1000; 250 at 1000 rate. Extras added liberally to help pay expressage.

PRIMULA Obconica Grand. Rosea, clear pink, the finest of all Obconicas, extra, $3.00 per 100.

PRIMROSE SEED of best 13 varieties, single and double, mixed, 400 seeds, $1; half pkt., 50 cts.

....GIANT PANSY SEED.....

The best of mammoth varieties; no finer ever offered; all the seed plants critically selected; Pkt., 3500 seeds, $1.00; half pkt., 50 cts A pkt. of new Forget-me-not "Jewel" added to every order for seeds

STRICTLY CASH PRICES.

THE HOME OF PRIMROSES. **JOHN F. RUPP, SHIREMANSTOWN, PA.**

TRY SOMETHING NEW IN YOUR WINTER BLOOMING

ERICAS,

plants, all pot grown, set with bud, handled as easily as an azalea with similar treatment.

CASH PRICES FOR OCTOBER DELIVERY:

ERICA MELANTHERA	4-in.,	per 100,	$20.00;	per 1000, $180.00
" PERSOLUTA ALBA	"	"	18.00;	" 150.00
" ROSEA	"	"	18.00;	" 150.00
" REGERMINANS	"	"	18.00;	" 150.00
" CUPRESSIANA	"	"	18.00;	" 150.00

Larger sizes and other varieties at reasonable prices.

H. D. DARLINGTON, FLUSHING, LONG ISLAND, N. Y.

Primroses.

	Per 1000	Per 100
CHINESE, ready for 3-in. pots	$17.00	$2 00
OBCONICA Grand. " "	18.00	2.00
" " Rosea. "		2.00
FORBESII, " "		3.00
PANSY PLANTS	2.75	.50

CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.
Mention American Florist.

BROWALLIA GIGANTEA.

Fine plants to grow on for your Xmas trade. Rooted cuttings.....$2.00 per 100
Out of 2½-inch pots, bnshy..... 4.00 "
Out of 3½-inch pots, bnshy..... 6 00 "
Samples for 10 cts. in stamps.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATIONS.

Several hundred extra fine plants.
J. W. ADAMS & CO., Springfield, Mass.

..Sell Your.. Palms

and other desirable fall stock at a good price. Ours is the only plant auction room in New England, and they are

CALLING FOR PALMS NOW.

Write and we will give you all information. Sales Tuesdays and Fridays.

CARNATIONS FOR ALL.

Till October 15th, each Tuesday and Friday, a fine lot of Carnations in standard varieties will be sold. Send in your bids or come yourself.

N. F. McCarthy & Co.

Wholesale Florists and Auctioneers,
84 Hawley Street,
BOSTON, MASS.

A NEW DECORATIVE PLANT,

Cryptomeria Japonica

(Japan Cedar).

As handsome as Araucaria Excelsa, but more graceful and more easily grown.

4-in. pots, $15 per 100; 2½-in. pots, $9 per 100.

Hydrangeas OTAKSA, RID BRANCHED, THOS. HOGG,

4 to 6 crowns, $10 per 100; 2-3 crowns, $7 per 100.

Asparagus Sprengerii. 4-in. pots, 9 " ; 2½ " 5 "

JACKSON & PERKINS CO., NEWARK, NEW YORK.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00

Price for 100 or more on application.

John H. Ley,

Good Hope, WASHINGTON, D. C.

3 More Sensational Novelties

THE GEM FORGET-ME-NOT, 3 COLORS.



PINK, WHITE, BLUE.

The compact and erect growth makes this new variety particularly useful as winter-blooming pot plants, as may be seen from photo. It is undoubtedly the

BEST FORGET-ME-NOT FOR CUT FLOWERS,

and, like the Baby Primrose, is sure to become popular. It is almost a perpetual bloomer and will give more flowers than any other plant we know, is perfectly hardy and blooms finely in cold frames.

12 plants, in 3 colors, 75c., or your choice of color for $1.00, by mail. 100 plants, 3 colors, $5.00; express prepaid. Large clumps to divide, $10.00 per 100.

GENUINE EDELWEISS

From the Mountains of Switzerland.

We intend to advertise this extensively and a great demand may be expected for it. Everyone knows that this highly-prized flower has become so rare that the Swiss Government has now stopped its exportation. When cut it lasts for years. We have the only stock in this country.

Extra fine plants, from 2½-inch pots, $8.00 per 100; $1.25 per 12, mailed.

FINER THAN BOSTON FERN! THE LACE FERN! **Polystichum Proliferum.**

A hardy Fern, grows well under bench, lasts one month when cut, fronds sold at $1.00 per doz. here. Young plants, 50c. per 12, $4.00 per 100; larger, $1.00 per 12, $8.00 per 100, mailed.

ASPARAGUS SPRENGERI

2½-in., fine, $4.00 per 100; 3½-in., $7.00 per 100; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

For Winter Blooming: New Acalypha Sanderi, $1.50; New Browallia Speciosa Major, $1.00; BABY PRIMROSE, 75c.; New Begonia Gracilis, $1.00; New Hibiscus Archeri, $1.00; Euphorbia Jacquiniflora, $1.25; Bougainvillea Sanderiana, $1.00; New Primula Obconica Hybrida, 75c.; New Astilbe Chinense, pink, very fragrant, $1.50; Nægelias, 75c.; Golden Cestrum, 75c.; HARDY BEGONIA, 75c.—all these per doz. mailed.

Cycas Revoluta (Sago Palm), **$8.00 per 100 lbs.**

A. Blanc & Co., Philadelphia, Pa.

CHEAP FOR CASH

ALL IN FINE CONDITION. Per 100

PTERIS TREMULA, 2¼-inch pots$3 00
PTERIS SERRULATA, 2¼-inch pots..... 3.00
PTERIS CRETICA, 2¼ inch pots 3 00
CUPEA ALTERNIFOLIUS 2¼-inch.... 3.00
DRACÆNA INDIVISA, 3-inch pots..... 5.00

WM. SCHLATTER & SON,
437 Bay Street, SPRINGFIELD, MASS.

Azaleas, Bay Trees, Palms, Araucarias,

Stock enormous, quality the finest.

SANDER, Bruges, Belgium.
AGENT: **A. DIMMOCK,**
60 Vesey Street, - - - NEW YORK.

ASPARAGUS SPRENGERII

3-inch.....$ 6.00 per 100.
3½-inch..... 10.00 per 100.
Also larger plants at 25c, 30c and 50c each.

VICK & HILL CO., Rochester, N. Y.

ASPIDIUM TENSEMENSE,

Nice stock in 3½-in. pots.

DRACÆNA TERMINALIS, fine specimens.

BEGONIA GLOIRE DE LORRAINE.

WRITE FOR PRICES.

...William W. Edgar, WAVERLY, MASS.

FICUS ELASTICA BELGICA.

Fine perfect plants, 4 to 6-in. pots, at $2.50 to $12.00 per dozen.

CARNATIONS, McGowan, 4 to 8 leads, @ $4 per 100
CHINESE PRIMROSES, 3-in. pots, @ $4 per 100.

J. D. IMLAY, Zanesville, O.

DRACAENA INDIVISA CLUMPS

from open ground: fine stuff, ready for 6, 7 and 8-inch pots, 10c, 15c and 20c each.

SMILAX, fine 2-inch stock, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.
CASH WITH ORDER.

☞ OUR DIRECTORY FOR 1899 WILL BE MAILED TO YOU ☜
☞ PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS. ☜

Lenox, Mass.

On September 12 fourteen of the head gardeners were invited by J F. Huss to a farewell dinner prior to his leaving Lenox for his home in Switzerland. It was a very enjoyable evening, though all felt keenly the loss of a beloved associate in his departure.

After justice had been done to the good things provided, Mr. Norman, chairman of the evening, in a very appropriate speech, presented to Mr. Huss a silver loving cup, suitably inscribed, on behalf of his friends there gathered. Messrs. Griffin, Donahue, Thompson and others also spoke feelingly of the pleasant associations they had always enjoyed with their host and expressed regret that he had decided to leave the United States, and particularly Lenox, where he had lived so long and has so many friends. Mr. Huss expressed the hope that he might sometime be able to come back and meet his Lenox friends again. The party before dispersing joined in singing "Auld Lang Syne" and wished God speed to Mr. Huss and his family, who sailed last Saturday on the S. S. Bretagne for Havre.

...PRIMULAS...

From 2½-inch pots, ready for a shift into larger size.

$5.00 per 100. $40.00 per 1000.

We grow our own seed, keep each variety separate and guarantee an equal number of each color in every order sent out.

BEAR IN MIND we will have an extra fine lot of well-fruited

OTAHEITE ORANGE TREES,

ready for Christmas delivery.

Chas. Zeller & Son Flatbush, BROOKLYN, N. Y.

Cash with order from unknown parties.

HERR'S PANSIES

PLANTS in abundance from now until March; no danger of your order not being filled promptly and less danger of your not being pleased with the strain; it is the best in the market the best florists say so.

PLANTS ONLY.

Free by mail, 75c per 100; 250 for $1.50; 500 for $2 50. By express, $4.00 per 1000.

ALBERT M. HERR,

LANCASTER, PA.

PANSY KING!

For Sale....Pansy Plants.

Giant Mixture, in lots of 50'0, $2 00 per M; 20,000 lots, $1.00 per M. The same size and quality I set the 1st of October.

L. T. SEAVER, Tufts College, Mass.

ZIRNGIEBEL GIANT PANSIES

Seed at $1.00 per trade packet or $5.00 per oz.

Also plants of the above at $5.00 per 1000, securely packed to go any distance. Large transplanted plants for winter bloom at $2.00 per 100 (no dollar an oz. mixture in these plants).

DENYS ZIRNGIEBEL,

NEEDHAM, - - - MASS.

Floral Designing From Photographs.

The price of it is only $2.50 net.

Standard sizes and selling prices with each subject. Most useful in order taking. It helps the florists. It pleases customers. Circular free. Sample page, 4 cts. in stamps.

A NEW DEPARTURE.

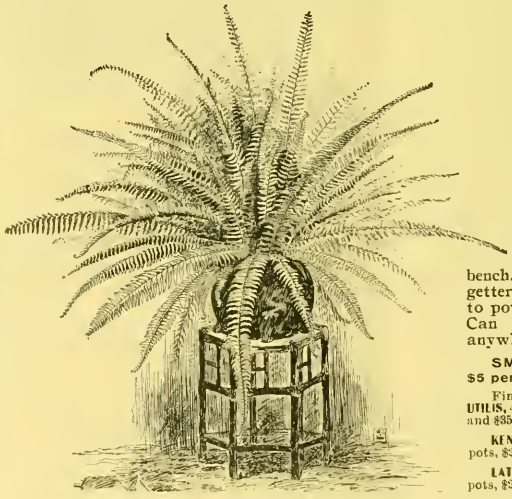
This finely-printed new work contains in half-tone plate reproductions

68 Subjects OF LONG'S FLORISTS' PHOTOGRAPHS.

At above list price of jobbing dealers or

DAN'L B. LONG, Publisher, BUFFALO, N. Y.

THE BOSTON FERN!



Elegant Specimen Plants

of this beautiful decorative fern for 7, 8 and 10-inch pots, spread 4 to 6 feet, at 50c., 75c. and $1.00 each, and smaller ones at 20c. and 25c. each for 5 and 6-in. pots. Cut from bench. No better money getter. Send orders now to pot up for fall sales. Can be safely shipped anywhere in the U. S.

SMALL PLANTS, $5 per 100..$40 per 1000.

Fine stock of **PANDANUS UTILIS**, 4½ and 5-in. pots, @ $25 and $35 per 100.

KENTIA BELMOREANA, 4-in. pots, $25 per 100.

LATANIA BORBONICA, 4-in. pots, $25 per 100.

L. H. FOSTER, 45 King St., Dorchester, Mass.

PANSIES

Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4 00 per 1000, $7.00 per 2000; $10 00 per 3000; $15.00 per 5000. Large plants in bud and bloom, $1.00 per 100.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Pansies.

PLANTS. **..PANSIES..** SEEDS.

....THE JENNINGS STRAIN....

Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100 by express, $4.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.

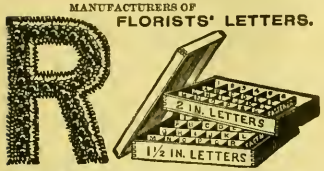
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E. B. JENNINGS, Lock Box 254. Southport, Conn.

Grower of the Finest Pansies.

Boston Florist Letter Co.

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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1¼ or 2-inch size, per 100, $3.00.
Script Letters, $4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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Horticultural Building
....OF THE
OMAHA EXPOSITION

We have just purchased the entire contents of the Omaha Exposition which includes all the **plants** in the Horticultural Building. If you are interested, write for particulars. We also have large quantities of lumber and material of all kinds. Write for catalogue No. 100. *Address*

CHICAGO HOUSE WRECKING CO.,
OMAHA, NEB. or CHICAGO, ILL.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson and other varieties, field-grown, 15c per 100; $1 per 1000. if by mail add 10c per 100.

PARSLEY, strong plants 35c per 100; $2.50 per 1000; if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr. & SON, White Marsh, Md.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25 000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept 15th.

P. O. Box 78.
Anton Schultheis, College Point, New York City

ASPARAGUS Sprengerii.....2½-in., $5.00 per 100
Asparagus Plumosus, 2½-in. 5.00 "
NEPHROLEPIS Cordata Cumpacta,
2½-in., fine..... 5 00 "
Nephrolepis Bostoniensis, 2½-in... 5 00 "
GFRAN UMS S. A. Nutt, etc., 2½-in.. 2.50 "
SMALL FERNS, for dishes, " 4.00 "
ACALYPHA SANDERI, 4-in., 25c., $2.50 per doz.; 6-in., 75c.; $8 per doz. Cash please.
CARL HACENBURGER. W. Mentor, O.

Special Quotations.

CYCLAMEN Persicum Splendens Giganteum, finest strain in the world in four true colors, extra well grown plants from 3-in. pots, $7.00 per 100, $65 per 1000. Mixed our selection. $6 a 100; $55 a 1000.
CHINESE PRIMROSES (fringed foliage), best market varieties from flats, $1.75 per 100; from 2-in. pots, $2.00. from 3-in. pots, $5.00 per 100. Double white and red from 3-in. pots, $6 00 per 100. Single blue, same price. Satisfaction guaranteed.
PAUL MADER East Stroudsburg, Pa.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.
Mention the American Florist.

YES, DEWEY

is in NEW YORK, but BAYERSDORFER is in PHILADELPHIA, and

TO DEVELOP THE PUBLIC PATRONAGE

a florist should offer the goods of the season, as is done in all other lines of fine retail trade.

We can supply you wisely, for by long experience we know what stock to carry and where to get it at best figures. We also manufacture largely of special goods that you can get nowhere else.

Now is the time to select your Baskets, Vases, Ferneries, Lace Handkerchiefs, Birds, Grasses, Dried and Artificial Flowers and all the knicknacks of a complete Florists' Outfit.

H. BAYERSDORFER & CO., 50-52-54-56 NO. FOURTH ST., Phila., Pa.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC.TO N.STEFFENS. AND STEFFENS BROS.
MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

M. RICE & CO.,

EXCLUSIVE IMPORTERS AND MANUFACTURERS OF..... **Florists' Supplies.**

New Illustrated Catalogue Free for the Asking. 918 Filbert St., PHILADELPHIA.

CAPE FLOWERS. FRESH CROP. THEY ARE VERY GOOD; per pound, **$1.00.**
CYCAS LEAVES. OURS RIVAL THE BEST IN THE MARKET. 16-20 in. $1.40; 21-24 in. $1.70; 25-28 in. $2.00; 29-30 in. $2.30; 33-36 in. $2.65; 37-40 in. $3 00; 41 44 in. $4 00; in packages of ten leaves.
Imported Metal Designs, just received latest, attractive styles, from 35c upwards. Write for catalogue.
AUGUST RÖLKER & SONS, 52 DEY STREET, NEW YORK.

TOBACCO DUST

BY CAR LOADS, ETC.

Now is your time, while I have a surplus, to get your supply, **to the trade only,** at $12 per ton in car lots of 12 tons; 2000 lbs., $14; $7.50 for 1000 lbs; $4 for 500 lbs.; $1 per 100 lbs. Mixed Dwarf CANNA BULBS, ready this fall, $7 per M. The above prices are for cash only...
M. T. THOMPSON, RIO VISTA, VA.

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Manufacturer of **Florists' Supplies**

Send for a price list.
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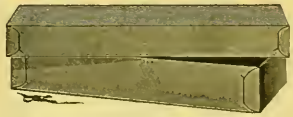
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Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

CANE STAKES.

6 to 10 feet long,
$2.50 PER THOUSAND.
$2.00 per 1000 in 10,000 lots.
C. G. NANZ, Owensboro, Ky.

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DAYTON, OHIO.

SHEEP MANURE

Thoroughly pulverized and ready for immediate application. ☞ Special prices to Florists and Seedsmen in lots of 20 tons and up.
Testimonials from Agricultural Department University of California. Send for sample.
GEO. C. ROEDING, Prop.
FRESNO FERTILIZER WORKS. FRESNO, CAL.

Please mention the American Florist to our advertisers.

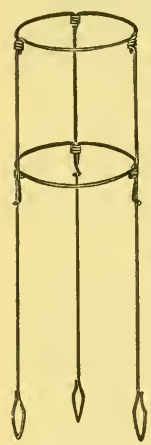
Cambridge, O.

I. A. Oldham, the proprietor of the only greenhouses in this busy little city, reports business good and the demand for flowers constantly gaining. The funeral of Hon. J. D. Taylor last week was an occasion calling for many designs. Among the thirteen pieces supplied by Mr. Oldham was a crescent wreath ordered by the bankers of Washington City. This stood four feet high; the base was made up of American Beauties, the heavy part of Bridesmaid and Perle roses with a filling of carnations and a white dove at the top. Another beautiful design was a broken column made of white asters and pink roses.

Mr. Oldham grows quite a lot of flowers in his own houses, but buys most of his roses and finer stock in Chicago. It speaks well for Chicago dealers that in eight years' dealing with them he has only twice received his flowers too late. A telegram at three o'clock will bring the flowers at seven o'clock next morning.

PINECASTLE, FLA.—J. F. Allen is removing his nursery and florist business to Orlando.

The MODEL Extension Carnation Support.



LANCASTER PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.,
Dear Sir:—Your Model Carnation support is a right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y. Feb. 18 '97.
MR THERON PARKER.
Dear sir.—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLE-OUZE BROS.

W. HOBOKEN, N. J., Feb 18 '97.
MR. THERON PARKER.
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that these I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing you every success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes

AT LOWEST PRICES.

Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

"NICOMITE"
(PATENT)
Vapor Insecticide
No labor required. Harmless to bloom and foliage. A certain killer of
RED SPIDER, GREEN FLY
and all other Insect Pests.
SOLD BY SEEDSMEN.
The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not follow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy from those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars or Estimates.

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SMITH & SMITH
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REAL ESTATE,
PIPE, BOILERS, GLASS,
FITTINGS, ETC.
Obtain our prices before placing your orders. We have some excellent bargains in greenhouse establishments.....
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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate,	$4 88	120 7-in. pots in crate,	$4 20
1500 2½ " "	5 25	60 8 " "	2.00
1500 2½ " "	6.00	48 9 " "	2 60
1000 3 " "	5 10	48 10 " "	4 80
800 3½ " "	5 80	24 11 " "	3 60
500 4 " "	4 50	24 12 " "	4 80
320 5 " "	4 51	12 14 " "	4 80
144 6 " "	3 36	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address
HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents
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CYCLONE SPRAY PUMP
THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c; all nickeled copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.
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THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

STANDARD FLOWER POTS

	FIRST QUALITY.		CREAM COLOR.
1¾ in., per 1000	$2 40	3½ in., per 1000,	$ 4 95
2 in., "	2 75	4 in., "	6 20
2½ in., "	3 85	5 in., "	10 80
3 in., "	4 70	6 in., "	18 50

Packages extra.
C. HENNECKE CO. MILWAUKEE, WIS.

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BRANCH WAREHOUSES KEARNEY AND WESTSIDE AVES. JERSEY CITY, N.J.
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FACTORY. 713-719 WHARTON ST. PHILADELPHIA PA.

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
J. G. SWAHN'S SONS, P. O. Box 78, MINNEAPOLIS, MINN.

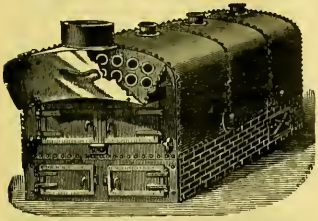
Standard FLOWER Pots
If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.
W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.
Mention the American Florist.

Standard Pots Made by
Good Railroad Facilities For shipping. **KELLER BROS.**
Special Attention Given to Mail Orders, and Special Sizes Made to Order. NORRISTOWN, PA.
Price Lists Furnished on Application.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street near Wrightwood Ave.,
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KROESCHELL BROS. CO.
IMPROVED
Greenhouse * Boiler,
29 to 59 Erie St., CHICAGO.



Boilers made of the best of material, sheet, firebox sheets and heads of steel, water space all around front, sides and back). Write for information.

Please mention American Florist when writing.

CYPRESS
IS MUCH MORE DURABLE THAN PINE.

CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.

GREENHOUSE AND OTHER BUILDING MATERIAL.

Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES." Send for our Special Greenhouse Circular.

THE A. T. STEARNS LUMBER CO., Neponset, Boston, Mass.

NIKOTEEN
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS- ENDORSED BY PROMINENT FLORISTS- USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT- 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ~~~ CIRCULAR FREE ~~~ SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the THE BLOOMS Bugs!

QUICKLY DOES IT.

MASTICA
FOR GLAZING GREENHOUSES.

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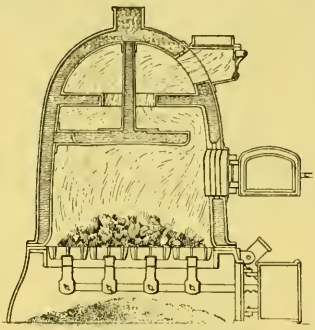
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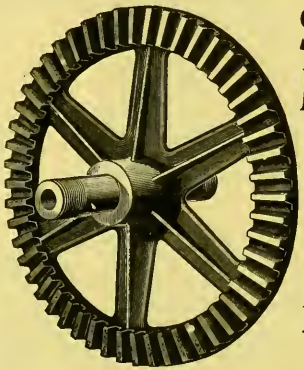
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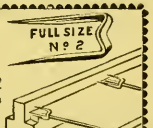
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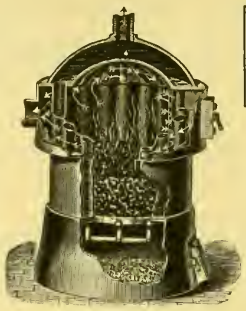
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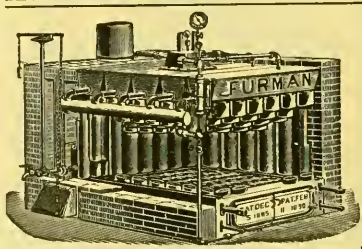
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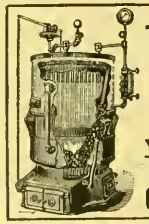
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NORTHAMPTON, MASS.—G. A. Thiele, formerly with A. N. Pierson, Cromwell, Conn., is now foreman for W. H. Field.

Notes from the Pacific Coast.

[*Essay of Henry F. Michell, read before the Florists' Club of Philadelphia, Tuesday evening, October 3, 1899.*]

Again your chairman of the essay committee has bestowed upon me the great favor of permitting me to hear myself speak and to take up your valuable time, of which you could probably make better use than in listening to some notes which may not interest you. However, I shall do my best, in these few pages of manuscript, to tell you what impressed me most during my trip to California, to look after growing crops of seeds and bulbs.

California, as you all know, is a seed and bulb growing country and the seeds, if grown by careful and competent growers, are certainly very good and can always be relied upon to grow fully ninety-five per cent and over.

I left Philadelphia on June 12. Passing through the fertile farming districts of Pennsylvania we had a fine view of the well wooded and well watered hills and valleys of our state, with highly cultivated farms following closely upon one another. Proceeding westward, our first stop was made at Chicago. Here I visited the different parks and especially noticed the well kept and well sprinkled lawns and the grand carpet and group beddings. Lawn sprinklers are used in great quantities and the beautiful green grass is certainly the result of this very liberal watering.

After leaving Chicago we proceeded to Denver, passing through Nebraska. The scenery en route was in marked contrast with that in Pennsylvania—a flat country, few trees and still fewer houses, with a farm or settler's wagon in view about every hour or two. Denver is a well planned city, with plenty of trees planted on each side of its broad streets and a good stream of clear water running constantly in the gutters, the arrangement being such as to produce an agreeable and refreshing effect especially upon the casual visitor. The Denver Park, which is very neat, is liberally supplied with lawn sprinklers, which are in action for ten hours daily, and the grass is beautiful. A novel sight was presented by the appearance of the ground in the park, which was apparently covered with snow, as the cottonwood trees were shedding their bloom in great profusion. The spectacle was one which would be quite unfamiliar to us here in Pennsylvania.

Our next stop was at Salt Lake City, also a prosperous town, near the Great Salt Lake. Here the park around the public buildings is kept in up-to-date style. The grass is also all watered by lawn sprinklers every thirty to forty feet apart. The soil is very rich and, wherever it is watered, fine crops are grown.

Proceeding westward from Salt Lake City we passed through the "great American desert." The ground is an endless dry, gray waste, covered in places with sage brush, which the cattle feed upon and I was informed that it also acts as a medicine for cattle and sheep. The alkali dust in this region is abundant and we may be glad that we do not have it here in the east.

After a long and rather tiresome travel through Nevada we reached California, "the land of fruit and flowers." The sight of palm trees, orange trees and other tropics was certainly an agreeable surprise and a refreshing one. Stately palms are seen everywhere out of doors, not growing in tubs or large pots, as we are accustomed to seeing them here, but all growing in the ground, on the sidewalks, and as large as our young shade trees. Roses grow to immense size and buds of La France are as large as American Beauties, Geraniums, fuchsias and heliotropes grow to great size, especially in San Jose, Santa Barbara, Monterey, Los Angeles and Pasadena.

San Jose is a most beautiful city. The streets, on both sides, are lined with immense, perfectly shaped palms of twenty-five feet and over in height. The very graceful pepper trees, with their fine foliage and cherry-red berries, are also here in profusion. Hedges are formed of geraniums. The Marechal Niel and Lamarque roses grow on trellises about two stories high. Heliotropes, fuchsias, etc., grow as large and are as flourishing as honeysuckles are with us.

Santa Clara is a center for growing seeds such as onion, leeks, salsify, spinach, endive, carrot, etc.

Several hundred acres are here also devoted to growing sweet peas for seed. There are over 150 varieties of the standard sorts and also about twenty-five varieties of the new dwarf or Cupid introductions. One of the largest and best equipped ranches of this valuable flower is owned by C. C. Morse & Co., who are carefully selecting the largest flowering, long stemmed sorts, and add all new varieties as they are introduced, whereas poor varieties are dropped each year. The dwarf or Pink Cupid is a great favorite and does most excellently. A beautiful sight was a three feet wide border of a sidewalk all around the front

and sides of Mr. Morse's residence, probably 225 feet long, all planted of Pink Cupid sweet peas, growing only six inches high, the ground being thickly covered with that beautiful pink flower, which emitted a delicious fragrance. These are worthy of extensive trials with us. They may do splendidly and would be something entirely new. The soil was sandy and light and is the best for dwarf sweet peas.

Leaving Santa Clara and near by seed farms we made a stop at the Hotel Del Monte, Monterey, the immense grounds of which are laid out in most magnificent style and upon a large scale. Among the chief attractions here is an old fashioned "maze," which I did not dare to enter for a greater distance than ten or fifteen feet as I am positive that I could not have found my way out again very quickly. The Arizona garden is another great attraction in these grounds. It is planted almost entirely with cacti, agaves and plants of similar character. An Arizona garden would be quite a novelty in the suburbs of Philadelphia. The grounds surrounding this grand hotel cover 126 acres and are kept in fine style. Plenty of sprinkling is constantly going on to keep grass and flowers supplied with water. Conspicuous in the garden were a lot of the new yellow calla in bloom.

Our next stop was at the "big trees" near Santa Cruz. The trees are certainly well named, as they are giant specimens of the California redwood variety. One tree measures ninety-five feet in circumference and is 300 feet high. Another is so large that General Fremont, when exploring this region about fifty years ago, used the hollow trunk of this tree as a tent and had plenty of room to spare.

Our next move was on to Santa Barbara, which trip we made by stage coach, starting from Lompoc at six o'clock in the morning. This was a fine ride. For great distances the road runs alongside of the Pacific Ocean and also through the large pampas grass district in Goleta. Pampas is here grown on a large scale. Where all the plumes are sold I can hardly say. One of the most showy plants in Santa Barbara is the mesembryanthemum. It flourishes here to perfection and is a solid mass of beautiful rich pink color. I do not know if these will give such satisfaction here with us but we shall certainly send out some seed, on trial, to customers in this vicinity and watch its results.

Our next move was to Ventura, where calla and freesia bulbs are grown in very large quantities. This is also headquarters for the very choicest and most improved strains of petunia seed. The size of the flowers and the beautiful markings, striped and throated, fringed and ruffled types, are a sight never to be forgotten. I was informed that they grow constantly the whole year. Hybridizing seems to be the pride of the growers and it is very important to improve the strain. Begonias six feet high, passifloras in every color, mandevilleas and a score of other plants are in great perfection at this place. Rain is scarce but a plentiful supply of water is easily procured by irrigation and is carried down alongside the long rows of crops. At Ventura no rain had fallen for a long time, but the heavy fogs seem to take the place of rain. The soil here is very dry and dusty on top, but when about two inches of top soil is removed the remainder is very dark, moist and exceedingly rich. A great advantage which the California seed growers have over eastern and European growers is that after harvesting their crops they can cure them in the open air and they need not fear that a rain will damage them while being cured.

Santa Paula is also a successful seed growing district. I especially noted some fine verbenas and exceptionally clean healthy asters, also Phlox grandiflora in large tracts. Near Santa Paula we visited a ranch of 5,000 acres, all of which was planted with sugar beets. This was a seemingly endless stretch of that profitable crop. Another ranch of over 2,000 acres was planted entirely with Lima beans. The rows were over 4,000 feet long. The crop looked very well and should turn out a good many bushels of beans.

A most interesting and beautiful display was observed from the car windows in going from San Francisco to San Jose. On both sides of the railroad tracks the embankments were a mass of native wild flowers, prominent among which were the yellow genista in full bloom, the California poppy in great abundance in its bright orange color, and numerous others. In speaking of the large size to which plants attain here, I must not fail to mention a Lamarque rose in the grounds of the Arlington hotel at Santa Barbara, the trunk of which measures twenty-four inches in circumference. It is said that this is about the largest rose plant or tree in California. The Magnolia grandiflora and M. glauca were a grand sight, being in full bloom, in the month of June. Araucarias are here in fine specimens, of fifty feet and over in height, and would make suitable plants if placed in jardinieres for house decoration—providing you had a large enough house.



THE COTTAGE ROSE.

After leaving California we visited Portland, Oregon, where they have a most beautiful natural park. The roses there were magnificent. The buds and flowers were of the largest size I have ever seen. The plants also looked exceedingly healthy and not a diseased leaf was to be seen. They do not seem to be affected by the troubles of mildew, rose bugs and rose slugs—which fact must be attributed to the cool, fresh climate in that locality.

Leaving Portland we stopped at the new cities of Seattle and Tacoma, which are fast becoming very prosperous towns, although rather rough as yet in the suburbs.

Our next journey led us to Yellowstone National Park, stopping en route at Helena, Mont., one of the leading mining towns. Yellowstone Park covers an area of 5775 square miles. It is worth a long journey to visit this place. A great part of the park is made up of formations formed by the overflow of hot springs and geysers, containing large quantities of various mineral matters, which gradually make most beautiful creations of odd and finely colored shapes. These geysers play at different intervals, one regularly every fifty minutes, one every minute and others at uncertain periods; but the sudden appearance of a high column of steam and boiling water thrown to a height of probably a hundred feet, accompanied by a loud noise, creates an impression which can never be forgotten. One of the peculiar formations is so similar to a morning glory flower that it bears that name, and it certainly deserves it. The throat, which is of water, is of an immense depth and is shaped exactly like that popular flower, and the rich colors are very correctly reproduced. Another of the wonders is the devil's paint pot, which boils day and night and throws up over the whole of its surface, a pasty substance exactly like paint of various colors.

In Yellowstone Park are seen the natural or wild flowers of almost every variety and it should be a Mecca for botanists, as they would not have to go far to find almost every wild flower they might wish to have for their herbariums. Among the most plentiful are asters, petunias, white sunflowers, Indian paint brushes, etc. An interesting greenhouse in the park was filled with radishes, lettuce and English prize cucumbers. This house was heated by a boiling spring which entered it at one end and flowed through the center and out at the other end, filling the house with steam. The temperature was 95°. The crops are matured in wonderfully quick time—radishes in seventeen days and cucumbers also in a very short time. The gardener felt very proud of the results. I wonder if the steam vapor could be tried successfully here. It may be worth an experiment.

Leaving Yellowstone we returned homeward, stopping at the beautiful twin cities of Minneapolis and St. Paul. Along the lakes in Minneapolis I noticed particularly long rows of willows planted closely together. The branches are trained laterally, in careful order, and reminded me much of the European system used in Paris, Berlin and other cities with such good effect.

A few days later I found myself back again in our beautiful city but had hardly arrived before your worthy chairman of the essay committee, Mr. Watson, called me up on the telephone, invited me to speak of my trip and would not take "no" for an answer. The result is before you in the brief and hastily written sketch which I have submitted.

The Cottage Rose.

Rarely do we find this grand old rose (Rosa alba) except in the front yard of some olden time home where, in spite of neglect, weeds and other unfavorable conditions, it has maintained an existence for perhaps half a century and borne each June its profuse crop of deliciously fragrant blossoms under circumstances that would have killed out a dozen successive plantings of the more pretentious



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but not more lovable hybrid perpetuals. The old cottage rose was probably brought to this country by the early settlers from England, whose affections it shared with the old French Rosa Gallica. Its long life shows its grand constitution, and it is well worthy of a place in every rose garden because of its all-around good qualities. Nurserymen should never omit it from their lists.

Flower Beds at Philadelphia.

At the recent encampment of the Grand Army of the Republic held in Philadelphia, one of the many attractions was the floral display of army badges at Fairmount Park. Through the courtesy of C. H. Miller, I am enabled to present the readers of the AMERICAN FLORIST with illustrations showing the badges and also the beautiful Horticultural Hall, Fairmount Park.

I have thought that a few notes on the plants used in making some of the designs would be of much interest to many readers and am indebted to Thomas Minzey, Mr. Miller's assistant, for the names of some of the plants used.

Taking the Fifth Corps' badge, the Maltese cross, for a commencement, there are six kinds of plants used in its composition. The outside line is Echeveria secunda glauca, the next, a brown colored crassula, the next Sedum variegatum and the fourth, the dark center, Alternanthera rosea. The circular center has for its outside line the new alternanthera, Prospect Park; the white plant appearing next is Echeveria Pachyphytum, the small darkish little clump in the center being Echeveria metallica. This particular design was beautifully constructed and was much admired.

The clover leaf, the Second Corps' badge, took four sorts in its make up. The stem, or petiole, of the leaf had Echeveria secunda glauca for border, with center of the Prospect Park alternanthera. The body of the leaf had the same echeveria with rows of Alternanthera aurea next, and center of a reddish unnamed alternanthera. This, too, was as perfect a piece of work as one could wish to see.

The Eleventh Corps claims the crescent badge. For the outside row of this Echeveria secunda glauca was used, for the next rows a new red althernanthera, the name of which I could not learn, and next Alternanthera aurea, with the center of A. Prospect Park.

The star represents the Twelfth Corps, and this was another work of much beauty. For the outside E. secunda glauca was used, next brown crassula, third, Sedum variegatum. The white in the center is Echeveria Pachyphytum, and the center, E. metallica. It will be noticed that the plants used are the same and in the same order of arrangement as in the Fifth Corps' insignia, excepting that alternanthera is omitted.

The letters "G. A. R." and figures "1899" are composed of Echeveria secunda glauca.

As will be seen the designs are on the grassy slope of a terrace in front of Horticultural Hall. This is what is known as the Schuylkill River front, as the building stands on an eminence far above the river, from which a fine veiw of a portion of the city and of Laurel Hill Cemetery is obtained.

The hall itself was built for the Centennial Exposition in 1876, and is almost alone in representing buildings erected in the park at that time. Many exotics planted therein at that time now find the roof too low for their aspirations So large and rank is the growth of most of the plants that its interior is much as one would suppose a tropical woods would be. It is a great pleasure to thousands of visitors in winter to wander under the mass of foliage. There is much in the flowering line in the main hall. On the approach of cold weather such outdoor plants as are not required are usually given away to the public and are apparently much appreciated by the recipients.

JOSEPH MEEHAN.

COLDWATER, MICH.—Van Aken Bros. report a good trade and bright prospects. During the season they have built two violet houses 20x133, a smilax house 25x34 and a propagating house 6x56.

CARNATIONS.

CULTURAL NOTES.

October 7.—The popular cry is that carnations are not injured by a cool temperature and that while heat is necessary for roses, carnations are in no need of it yet. There is some truth in this but, as in all other truths, there are exceptions. With summer temperature one day and a drop to 35° the next a little heat in the houses is an absolute necessity. The check from such sudden changes is not so noticeable as with roses but it is there all the same and often means a greater loss than the grower realizes.

Do not allow your houses to become overheated as that will mean quite as much loss as to allow them to become too cool; in fact the latter is preferable, for to soften the plants up with too much heat at this season, when flowers are not in especial demand, is extremely bad policy. Far better is it to gradually acclimate your plants to a night temperature of 45° and hold them at that for the next month or six weeks. After chrysanthemums are out of the way you may gradually bring the temperature up to 50° or 55° at night.

This treatment, followed up with judgment and common sense, varying slightly one way or the other according to the condition of the plants, will produce the best crop of Christmas flowers that the plants can be made to yield.

Another point is to be careful not to overfeed your plants now. If the soil was in good shape when you planted there should be no necessity for additional fertilizer until the Christmas crop of buds is set; then a stimulant may be given to bring the blooms in at the proper time and to add to the color and size of the flowers.

I have before stated that overfeeding weakens root action, but it will bear repetition. There is no time like the present, with plenty of sunshine and no heavy crop of buds to mature, for getting a good root formation. This is as necessary to the carnation as a good foundation is to a building, for with a good foundation you can add successfully as much to the top of the plant as you choose but without it you are sure to make a failure.

On no account permit your beds to become over-run with weeds; they not only make your place look slovenly but use up a large percentage of the fertilizing material that should be held in reserve for the carnations. Do the weeding carefully so as not to disturb the young roots of the carnations.

Disbudding should be attended to regularly. A good plan is to set apart a day each week for this work and follow it up all the season. Like most other tasks, if this one is attended to regularly it is quickly accomplished and the results are much more satisfactory than when it is done haphazard and irregularly.

ALBERT M. HERR.

The Commission Man's Judgment.

The subject of the integrity of commission men has been discussed so fully that one would think there could be little left unsaid. But is it really honesty that is sometimes lacking? Is it not more often judgment? I was recently talking with an up-to-date grower, one who is well known to both buyers and sellers, and will try to give the substance of his remarks.

"I can't afford to grow the lines the big growers do," said he, "for so soon as stock becomes at all plentiful they sell cheaper than I can do and make a profit. As a consequence I always devote a bench or more to experiments with new things, for I must grow the novelties, things which command the highest prices. Now I grew something unusual and sent the cut to a commission man who sold it out for, say 25 cents a dozen. That was all he asked for the stock.

"Now he was honest; what he lacked was judgment. Had he been an old line commission man he would have known the value of flowers and would have taken into consideration in putting a price on the stock in question the fact that if he looked far and wide he could not get any more at any price and would have asked $2.50 or $3 for what he sold for a quarter. Some one would have paid it.

"While judgment is a prime requisite in a commission man it is true that it cannot be used if the growers do not put the stock on the market in the best condition. For example, one grower sends in 100 carnations, puts exactly twenty-five in a bunch and sticks the bunches down in a corner among the other stock, so that when they reach the commission man one or two flowers are broken off and the rest are far from fresh-looking. Another man puts twenty-six or even twenty-seven in a bunch and packs them with care. The two may be neighbors and ship to the same house, they may grow the same varieties, in fact the careless man may have the best stock at the time of cutting, although this is improbable, and still his returns will be less because his stock reaches the market in bad order.

"To be a successful commission man you must know the condition of every flower and give it proper care upon its receipt. You must have no favorites and sell to the man who is willing to pay the highest price. Above all, when you know that you have something that the other fellow has not, put on the price and get the grower all you can. Bear in mind that if one man won't buy another man will. There is always a buyer for every flower, even if most of them do want to beat down the price."

CHARLIE'S AUNT.

CHRYSANTHEMUMS.

CULTURAL NOTES.

We have reached the season when a little fire heat at night is necessary to insure a dry atmosphere. We aim to keep the night temperature in our chrysanthemum houses as near as possible to 48° with a crack of ventilation on. By having a little steam running through one of the pipes during the night we are able to regulate the temperature and without forcing the plants at all. After the buds begin to show color there are times, especially if we get two or three wet days together, when a little higher temperature must be maintained to prevent moisture from settling on the blooms.



BEDDING IN FAIRMOUNT PARK, PHILADELPHIA.

Have all the buds far enough away from the glass for their proper development and see that all the stems are tied as straight and firmly as possible. All superfluous material and any rubbish should be cleaned away from under the benches and the walks fixed so that no water stands in pools after watering.

The temperature during the day must be governed to a certain extent by the condition of the weather. On very bright days all the ventilation possible can be given, but avoid cold draughts. It is necessary to raise the ventilators gradually, beginning early in the day, closing them in the same way toward evening. On dull and dreary days a few degrees above the night temperature, with ventilation enough to keep the air pure, will suffice.

The buds of several of the early varieties are now expanding rapidly and it is well to make note of any peculiarity or failing which will come in handy as a reference when laying out next season's work. It is a great temptation to begin cutting when there are enough petals formed to call it a bloom but we have found it much the best policy to allow the flowers to properly develop before marketing them. C. W. JOHNSON.



RUDBECKIA TRILOBA AT EGANDALE, ILL.

CHRYSANTHEMUMS ABOUT CHICAGO.

The near approach of autumn brings speculation as to the probabilities in the chrysanthemum supply and with the view of furnishing accurate information as to the conditions likely to prevail in the Chicago market the leading growers have supplied the following information in regard to their stocks. It will be seen that the cut is likely to be some 36,000 in excess of last year. With most of the growers the plants are reported as in good condition and the crop is likely to be a few days earlier than a year ago, when nearly everyone was a little late.

Weber Bros. have 40,000 plants, all grown to single stem, as against 5,000 last year. The plants are in the best possible shape and the cut is expected to begin about October 10 and extend to Christmas. They have 10,000 plants of Ivory and 10,000 of Major Bonnaffon. Next in order come Minnie Wanamaker, Glory of Pacific, Maud Dean, Mrs. Jerome Jones, W. H. Chadwick, Yellow Queen, Golden Wedding, Mayflower and Frank Hardy. They have a few plants of Fee du Champsaur.

J. N. Lang has about 6400 plants on his place at Robey and Melrose streets, slightly in excess of his stock last year. He has 1100 Mrs. Jerome Jones, 1000 Major Bonnaffon, 800 Maud Dean, 600 Glory of Pacific, 400 each of Mrs. Fred. L. Button and W. H. Chadwick, 300 each of Mrs. Pierce, Autumn Glory, Yellow Mrs. Jones, Ivory and Pink Ivory, 200 each of Minnie Wanamaker, Viviand-Morel and Solar Queen. Mr. Lang reports his plants small and backward.

Bassett & Washburn expect to cut 30,000 blooms, their planting being the same as last year. They are growing about twenty-five of the leading varieties and the stock is rated as in very good shape. For early they have Lady Fitzwigram and Marquise de Montmort which will soon be in, followed by Ivory, Pink Ivory, Major Bonnaffon and Eugene Dailledouze.

In the Stollery Bros'. collection there are fourteen varieties from which they expect to cut about 2500 blooms, slightly less than last year. The principal sorts are Major Bonnaffon, Soleil de Octobre, Frank Hardy, W. H. Chadwick, Yellow Queen, Mrs. Jerome Jones and Golden Wedding. Yellow Queen will be ready about October 15 but the mid-season sorts are about two weeks late.

P. Weiland, Evanston, reports about 4000 blooms, which he expects to use for local trade. In white he has Mrs. Robinson, The Queen, Mayflower, Ivory and Mrs. Jerome Jones; in pink, Glory of Pacific, Viviand-Morel, President Smith and Pink Ivory; in yellow, Emily Henderson, Mrs. J. G. Whilldin, Golden Wedding and Major Bonnaffon. The first flowers will be ready by October 10.

Poehlmann Bros. have about the same number of plants as last year. They are the largest growers of chrysanthemums for this market and have about thirty varieties in their houses. One house of Lady Fitzwigram has already nearly all been cut. Their plants, like those of most other growers, are not so tall as usual this year, which they attribute to the cool summer. Part of their stock, which they consider rather better than usual, is grown to single stems and part with two and three flowers to a plant.

W. N. Rudd will cut about 4500 blooms this year against 4000 last year. His varieties are Ivory, Yellow Ivory, Yellow Queen, Henry Hurrell, Mrs. H. Weeks, Major Bonnaffon, Golden Wedding, Mayflower, Mrs. Jerome Jones, Yellow Mrs. Jones, Henry Nanz, Autumn Glory, Mrs. Perrin, Mrs. S. T. Murdock, Maud Dean, Xeno, Fee du Champsaur, Rustique, Yellow Mayflower, Solar Queen, Defender, Black Hawk and Henry Shrimpton and C. W. Johnson, the grower, is better satisfied with the plants than in any previous season.

Anton Then will cut 3,500 blooms this season as against 3,200 last year. Lady Fitzwigram, Mrs. H. Robinson, Ivory, Minnie Wanamaker, Mrs. Jerome Jones, W. H. Chadwick, Maud Dean, Glory of Pacific, Mrs. S. T. Murdock, Yellow Queen, Golden Wedding and Major Bonnaffon are the principal varieties although there are six of the newer sorts on the place. All are in good shape.

H. Schiller has the same number of blooms in sight as last year, about 10,000. He has only eight or nine varieties on the place and the stock is principally Major Bonnaffon, Lady Fitzwigram, W. H Lincoln and Mrs. H. Robinson. The stock is in fair condition.

Rudbeckia Triloba.

In August and September we are indebted to the cone flowers for much of the brilliancy in our gardens and fields. The stateliest and probably most interesting is the more recent double form of Rudbeckia laciniata known in catalogues as "the summer chrysanthemum," and as Rudbeckia Golden Glow. This unusual form is caused by the disk florets being changed into ray florets. It is the tallest grower of the group.

Rudbeckia Autumn Glory is probably a garden form that first appeared in England many years ago. The plant is robust, growing about four feet high, bearing flowers nearly four inches in diameter. The ray florets, about twelve in number, one and one-half inches long and three-fourths of an inch broad, a deep lemon in color, cone over an inch in length and greenish yellow.

Rudbeckia triloba, here illustrated, so named on account of its lower leaves being three lobed, is one of the most showy of the group. The flower heads are small but numerous, almost completely covering the plant, showing just enough green of the foliage to set off the blooms. The ray florets are eight in number, deep yellow, and contrast well with the black-purple disk. The plant grows about three and one-half feet high and nearly as broad and is very rich and effective, especially when near a strong-growing specimen of Aconitum Napellus, the deep blue flowers of which contrast well with it.

The more dwarf R. speciosa, some-

times called R. Newmanni is also quite showy but is so near like R. hirta, the black-eyed Susan of our fields, that it is often mistaken for it. It, however, has about double the number of ray florets that R. hirta has, making a more compact flower.

Bentham and Hooker class Echinacea purpurea among the rudbeckias, thus adding a color other than yellow to the family. This grows about four feet high and produces flowers some four inches across, of a reddish purple, sometimes, when grown in full sun, a deep pink. These last a long time and are very effective among shrubbery. Another species often classed as an echinacea is R angustifolia, having rose-colored flowers closely resembling R. purpurea.

All of the above mentioned rudbeckias are hardy perenuials of easy growth. There has lately appeared in catalogues an annual from Texas called Rudbeckia bicolor which is certainly worthy of cultivation. It grows about two feet high, producing many flowers two inches in diameter; ray florets fifteen in number three-fourths of an inch in length, a rich velvety brown at the base, with deep yellow lips, disk cone shaped, one-half an inch high and deep brown in color.

W. C. EGAN.

New York.

DEWEY DAY DEMORALIZED DEALING.—SUNDAY NOT A DAY OF REST.—WANTED, A LEADER.—A HEALTHY MARKET.—SURPLUSES HERE AND THERE.—RUSH FOR STOCK ENDS IN A DOG TRADE.—DISAPPEARANCE OF A WELL-LIKED SALESMAN.—WHO'S WHO AND WHAT'S WHAT IN GOTHAM.

The greater part of last week was spent by the occupants of many of the florist stores, wholesale as well as retail, in the consideration of ways and means whereby a few five-dollar bills could be made by the sale of seats for the Dewey parade, if on the line of march, or devising schemes for seeing the sight without having to pay for it, if not on the line of march. Hammers and nails did not, however, always come so handy to the amateur carpenters and upholsterers and some of the contrivances met the same fate as the Spanish cruisers in Manila Bay, with the difference that they were wrecked even before Dewey appeared. All had a good time, though, and while the big event demoralized everthing in the way of business for the time being, there is nothing more serious to complain of and all are ready to settle down now for the big, prosperous season which everyone believes is in store for us.

It is much to be regretted that within recent years business rivalry has brought about an almost total elimination of Sunday as a day of rest or recreation for those engaged in the florist business in this city. At first it was only to look out for the delivery of some funeral design or similar cause that the store doors were unlocked on Sunday. Then it grew into a regular half day opening and now it is, with many, practically the entire day. The late hours of the week day business furnish a good reason why the florists' clerks should have their Sunday to themselves and it is believed that some mutual arrangement might be perfected whereby this might be brought about without injury to the business or the community. A number of the leading proprietors have expressed a willingness to close up provided their neighbors will do likewise. Who will start the movement in earnest?

The cut flower trade, as a whole, is in healthy condition and the situation, at present, is regarded by those best qualified to know as fairly satisfactory when compared with recent years. First-class American Beauty roses maintain their hold remarkably well and selected stock of other varieties of roses, as well as carnations, is meeting with a fair amount of encouragement. Cattleyas made a bad break in price last week, owing in part to the increasing receipts of C. labiata and the condition of the lily of the valley market shows that the growers are crowding it in faster than the normal demand would warrant, the result being that the price is badly demoralized. Violets are getting plentiful, in the lower grades, but there are a few flowers remarkably good for the season coming in, and these sell well. The other kind does not sell at all and much of the inferior material is lost—not by the grower always but by his commission man, who, between the coercion by the grower and the chasing by his rival, finds himself lacking the necessary courage to face the issue.

The cold snap has set things in active motion over at the Cut Flower Market on Thirty-fourth street. Outdoor flowers got their finish on the night of October 1 and on Monday morning there was an old-fashioned rush for the limited quantity of material that came in. The demand for carnations and chrysanthemums exceeded the supply. The crowd went home very happy with empty baskets, but not before they had the pleasure of watching Charlie Millang make a dog trade that astonished the house.

Many expressions of sorrow are heard at the market and elsewhere over the disappearance of Fritz Kessler who has been for some years salesman for his uncle, T. F. Ehrhardt, of Woodside. A communication in one of the daily papers from Kessler indicated that it was his purpose to commit suicide on account of despondency. He has not been seen for two weeks but a hope exists that he may still be alive.

John Young is receiving large quantities of cattleyas, handsome labiatas, that find a ready demand wherever high-class trade prevails.

George Saltford has opened a headquarters for the sale of violets at wholesale at the same address as Millang & Co., 50 West Twenty-ninth street.

Thos. W. Weathered is expected to sail from Liverpool for New York, on the Lucania, on Saturday, October 7.

Visitors in town: E. M. Wood, Natick, Mass.; P. J. Berckmans and son, Augusta, Ga.; Harry Balsley, Detroit, Mich.; W. Breitenstein, Wm. Loew, Pittsburg, Pa., and Edwin Lonsdale, Philadelphia, Pa.

Boston.

BUSINESS BRISKS A BIT.—STOCK IN THE MARKET.—FLORISTS REPRESENTED IN THE FARMERS' NATIONAL CONGRESS.—HORTICULTURAL CLUB HOLDS A LOVE FEAST.—ORATORS AND THEIR SUBJECTS.—FRUIT AND VEGETABLE SHOW AT HORTICULTURAL HALL.—VISITORS.

Business seems to have taken a little spurt this week. Jack Frost is, no doubt, responsible partially, for he has made a clean sweep of all the outdoor bloom. Much complaint is heard of the quality of carnations coming in, the average receipts being of inferior grade, but the growers are promising better things soon. American Beauty roses have stiffened up in price about twenty-five per cent and it is hoped that the advance can be maintained. But the minor grades are not included in this. Lily of the valley is abundant, asters are nearly run out, chrysanthemums begin to assert themselves and an air of activity rules in all lines.

Edwin Lonsdale arrived in town on Tuesday morning armed with a formidable document, nearly four feet square, announcing that "reposing especial trust and confidence in his judgment, integrity and ability," the governor of the state of Pennsylvania has commissioned him as a delegate to the Farmers' National Congress, convening this week at Boston. The opening session of the congress was largely attended by delegates from all parts of the country, governors and legislators being among the number, but none more dignified nor distinguished-looking than the esteemed representative of the florists of the Quaker City. Welcoming addresses were made by Mayor Quincy on behalf of the city, Gen. Appleton on behalf of the state, the secretary of the Chamber of Commerce and others. Hon. W. D. Hoard, of Wisconsin, presides and the sessions will extend over a week, with many entertainments interspersed.

The Horticultural Club had a session on Wednesday afternoon, October 4. The presence of Edwin Lonsdale in the club's preserves was sufficient provocation for this and the arrival of C. B. Weathered emphasized it. The gathering was at the Squantum Inn. F. R. Mathison presided and won high honors for his ability in this position. The speakers were Lawrence Cotter, who expressed his high appreciation of the guest of the occasion; James Comley, who did likewise; P. Welch, who talked mathematics and farming statistics and complimented Pennsylvania's governor for his wisdom in selecting Mr. Lonsdale to represent the farming interests of his state; W. W. Edgar, who mentioned the value of time; W. J. Stewart, who read letters of sympathy from several absentees; Wm. Donald, who modestly disclaimed any credit for raising the best stove plants in Massachusetts; Alex. Montgomery, who broke his resolution as to speaking in public; W. H. Long, who showed both oratorical and musical ability; E. M. Wood, who had come from the yacht races especially to greet his friend Lonsdale; Thos. A. Cox, who congratulated everybody, and Warren Ewell, who explained that all the farms in Massachusetts had been cut up into boulevards for the benefit of the bicyclers. Mr. Lonsdale responded to the compliments extended in a fitting manner and, on urgent request, rendered the Duke of York song with variations. Mr. Weathered also expressed his own and the New York Florists' Club's kind feelings toward the Boston fraternity. Toastmaster Mathison was given a unanimous vote of thanks and the freedom of the city of Squantum. Auld Lang Syne closed the entertainment.

The fruit and vegetable show at Horticultural Hall last week was notable, especially for the very fine display of native grapes. Wm. Donald, first, and D. F. Roy, second, was the record on decorative plants. E. O. Orpet was given a silver medal for Cattleya Alpha, an American hybrid between C. labiata and C. Bowringeana. Mr. Burt's display of cactus dahlias was superb.

N. F. McCarthy's auction sales are prospering.

Visitors in town: H. R. Mitchell, Waterville, Me.; A. Dimmock, St. Albans, London; Wm. Loew, Pittsburg, Pa.; Ed. Lonsdale, Chestnut Hill, Pa.; C. B. Weathered, New York.

Philadelphia.

STATE OF THE MARKET.—STOCKS AND PRICES.—MEETING OF THE CLUB.—NEW MEMBERS.—ANDERSON AND HIS METHODS OF BUILDING.—GRIGG TO GO WITH BATTLES.—SOME GOOD NEW DAHLIAS.—DESCRIPTIONS OF MANY SORTS.

The cool weather of the past few days has shortened up the stocks of cut flowers, and this, together with the increasing volume of business, has stiffened prices considerably. Beauties, first choice, are now $2.50 per dozen and scarce at that. The quality keeps improving all the while, which is the case, also, with the teas. Meteors, Brides and Bridesmaids are $3 to $4 per hundred, with a few extras at $5. Some grand Kaiserins are now coming in which easily bring $6. Carnations are getting into form and anything worth looking at brings $1.50 or seeks another buyer. As yet McGowan, Hill, Scott, Daybreak and Eldorado are the only kinds offered. Lily of the valley is spasmodically scarce and it behooves a man to be sure of his market before he promises any quantity for the next day's delivery.

Heavy frosts have finished the outside flowers, dahlias being entirely destroyed; even cosmos in many cases was totally ruined. This will make the chrysanthemums more welcome. The first in were from George Campbell, who sold the bulk of his Fitzwigram to Hugh Graham. So far no flowers, or practically none, have appeared on the market. Violets are coming in nicely, that is, the single varieties, none of the doubles being in view yet.

The October meeting of the Florists' Club last Tuesday evening was well attended, the attraction being the paper by H. F. Michell on his recent visit to the Pacific coast, which appears in another column. The club is increasing in membership rapidly, as five new names were added to the role and about fifteen proposed for action at the next meeting. In this latter list were the names of several ladies. This struck the bachelors of the assemblage in a peculiar manner, and we question if they are over their surprise yet. It was voted unanimously, however, to receive the names, and our club room will now be graced by the presence of the ladies, not only as guests but with the right of membership.

George Anderson has torn down one house and is erecting another. George is one of the finest mechanics in the business and his houses are models of precision and fine fitting. The glass in this structure is being placed to throw the water to the middle, although in most of his other houses it is placed the other way. It is being lapped and bedded in putty. A gutter in the plate or cross beam into which the upper ends of the sash bars are fastened, just below the ventilators, will, he thinks, prevent drip. He is also of the opinion that the arrangement of the tables that provides for a walk around the outside and next to the side walls of the house is of more importance to the growth of the plants than many of the innovations, such as short lean to the south, that have been introduced recently. They are so much more conveniently cared for, and then, too, he says the houses will last longer, as the walls are kept dryer.

Edwin Lonsdale is in Boston this week attending the sessions of the National Farmers' Congress, to which he was appointed a delegate from Pennsylvania by Governor Stone.

C. H. Grigg is to manage the new Century Flower Shop for H. H. Battles. We are glad to welcome Mr. Grigg into the ranks again after his long retirement. Some years ago he set forth his ideas regarding flowers at popular prices in a paper read before the Florists' Club; he will now be in a position to put them into practice.

One of the best things seen at the dahlia exhibition, which closed September 30, was Mr. Blanc's new decorative dahlia, Philadelphia, exhibited by Wm. Henry Maule. The flowers were perhaps the finest in the show and certainly the largest. In color they resemble the famous Nymphæa, although more delicate and refined. They are carried on long, strong and erect stems. It is a very free and early bloomer and was awarded a certificate of merit.

The following are descriptions of some of the best in the Dreer collection of new cactus dahlias:

Miss Webster, a very fine white with rather long petals, much resembling Perle de la tête d' or.

Loreley, was perhaps admired more than any other cactus dahlia; extra fine shape, erect, color of La France, shading to white in center.

Hohenzollern, distinct shade of orange or nankin yellow; fine form.

Aegir, crimson red; fine color.

F. Bartels, bright vermilion scarlet; one of the best.

Austin Cannell, as shown, did not appear to correspond with the originator's description which claims it to be a mauve pink or rose color.

George Marlow, primrose yellow, shaded amber.

Mrs. A. Beck, a rich reddish-salmon with long pointed petals.

Perle de la tête d'or, which obtained a first prize two years ago as the best novelty exhibited, showed up in fine form, the color being absolutely pure white and the form very original and distinct.

Gilt Edge, a fancy sort, appears to improve in size and form yearly. It is quite unique and could be picked out at a distance from all others; it received a first prize.

Visitors in town: Mrs. M. Silliman, Chicago; Lloyd G. Blick, Norfolk, Va.; Thos. Galvin and Arthur Newmann, Boston; Robt. Patterson, Baltimore.

Chicago.

BRISK CALL FOR STOCK.—DECIDED SHORTAGE OF CARNATIONS.—ASTERS ARE GOOD PROPERTY.—WEDDING OF A POPULAR WHOLESALER.—JOHNSON GOES HOME TO ENGLAND.—STORIES OF THE STREETS AND OF THE TOWN.

The average wholesaler has not condescended to speak to a fakir this week if, indeed, any Greek has been venturesome enough to put his face inside a commission house. It has not been a question of price in this market this week. It is true that there have been more roses than in the ten days previous and that the cut is increasing rapidly but the strength of the buying has made prices firm at 5 cents and 6 cents. Beauties have been in particular favor. The carnation supply has been vastly below the demand and every flower has brought at least 2 cents while 4 cents has not infrequently been paid over the counter. Local buying has been particularly strong and promises to hold up for the city is full of strangers and society will be wide awake through the fall festival. Chrysanthemums are coming in more plentifully. Poehlmann is cutting some very good Lady Fitzwigram which bring $2 a dozen. Large quantities of wild smilax are being used for festival decorations. Leucothoe sprays from North Carolina are coming in heavily and are the best on record. The most profitable property in the market this week has been the Pennsylvanian asters at McKellar & Winterson's. One day's shipment was 7,300 and they sold up to $4 a hundred.

Chas. W. McKellar, of McKellar & Winterson, and Miss Harriet Ayres were married on Wednesday evening, September 27. Mr. McKellar failed to give his friends advance information of the event but the surprise has made their congratulations even more hearty than would have otherwise been the case. Mr. and Mrs. McKellar will reside at the Marquette, 85 Rush street, where they will be at home to their friends after November 1.

The great parade of the industries, a feature of the fall festival in which the florists will be represented by a float, has been postponed from to-night until Tuesday evening. The committee expects the float to be a creditable representative of the trade, although the scarcity of stock may interfere with the plans to a slight degree.

Chas. W. Johnson, for several years foreman for W. N. Rudd, of Mt. Greenwood, will resign his position about December 1 and take his family to spend Christmas at the old home in Red Hill, Surrey, England. Mr. Johnson has the best wishes of a large circle of friends for an enjoyable trip and his future welfare.

The Association of Western Jobbers met at the Auditorium Hotel in this city on Tuesday and decided to again advance the price of glass ten per cent. It was stated that all the firms doing business in the Mississippi valley are represented in the association.

Bassett & Washburn decorated the new home of the Hinsdale Club for its opening Monday night. The club house is one of the finest in the vicinity of Chicago. Both members of the firm are enrolled in the organization.

Capt. H. Schuenemann, of the schooner Mary Collins, sailed this week to Northern Michigan for his customary cargo of greens. He expects to return about November 15.

A. G. Prince & Co. will have greens to go the rounds this season for out at Hinsdale, H. Payne is building an adiantum house 40x150, an asparagus house 51x70 and two smilax houses 30x70.

George Allen left J. C. Schubert & Co., last week and John Burke is now in charge there with Henry Rowe, formerly with the Thiele Floral Co., to back him up.

Peter Reinberg, Henry Wietor and Matt. Everett went to Remsen, Iowa, Tuesday on a ten day's hunting trip.

J. B. Deamud is successor to the Illinois Cut Flower Co., at the old stand, 51 Wabash avenue.

The festival has made some little demand for evergreen wreathing for decorations.

Christ. Ehrhardt, at Park Ridge, is now cutting about 400 California violets a day.

The Morton Floral Co. opened at 743 East Forty-seventh street last week.

O. P. Bassett, returned from Florida last week.

Visitors: G. E. Hunt, of the M. A. Hunt Floral Co., Terre Haute, Ind.; Jas. Gurney, St. Louis; Geo. Souster, Elgin, Ill.; Thos. Archer, St. Joseph, Mich.; E. E. Boynton, Sycamore, Ill.; Mr. Sheldon, of Fidler & Sheldon, Racine, Wis.; F. A. Belt, Sterling, Ill.; Victor Waymann, Madison, Wis.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate, $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE price of glass, including vases, has taken another jump upward.

THE National Chrysanthemum Society of France now has a membership of 556. Its annual exhibition opens November 3 at Lyons.

GEORGE R. DAVIS, the Director General of the World's Fair, admitted to a New York correspondent that the profits of the glass trust were over 100 per cent in the past year.

THE palm swindler has been easily defeated several times recently by the precaution of verifying orders received from strangers. Let the next man to meet him do the trade a favor by causing his arrest.

WE learn something of the extent of the greenhouse business in this country from a booklet recently issued by the Herendeen Mfg. Co., of Geneva, N. Y., in which it is stated that there are in New England alone 1,000,000 feet of glass heated by the Furman boilers that firm.

REPORTS from the north Wisconsin green districts show so far little if any picking done; local buyers there say that owing to higher prices for lumber and pulp wood, green pickers will not take hold of that work except at a considerable advance. First costs to begin the season are likely to be from $5 to $7 per 1000 pounds higher.

Greenhouse Building.

Columbus, O.—Underwood Bros., house 20x150.

Newtown, N. Y.—C. Beckmann, house 17x100.

West Hoboken, N. J.—Chas. Wache, house 15x140.

Cleveland, O.—Jos. Eadie, rebuilding range; Smith & Fetters, rebuilding house.

Glenville, O.—R. Gamble, house 12x100, remodeling others.

Willoughby, O.—H. R. Carlton, violet house 7x100, rose house 20x125.

Milford, Mass.—Chas. H. Metcalf, one house.

Salem, Mass.—McGee, Geary & Co., one house.

Windsor Locks, Conn.—H. A. Pinney, one house.

Rockland, Mass.—Wm. Arnold, one house.

Old Lynne, Conn.—Mrs. M. Griswold, range of conservatories.

Ivoryton, Conn.—H. P. Chapman, one house.

St. Johnsbury, Vt.—C. F. Gibbs, house 14x60 and remodeling old houses.

Woodlawn, N. Y.—Wm. Nillson, two commercial houses.

Port Huron, Mich.—F. B. Havers, one house.

Rochester, N. Y.—Geo. Crooke & Co., house 20x75.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

CHICAGO, Nov. 7-11.—Chrysanthemum show, Hort. Society of Chicago. Willis N. Rudd, Ass't Sec'y, Room 202, 185 Dearborn St.

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

BOSTON, MASS., Nov. 7-10.—Chrysanthemum show, Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society. Alex. Maclellan, Sec'y.

WORCESTER, MASS., Nov. 8-9.—Chrysanthemum show, Worcester County Hort. Society. A. A. Hixon, Sec'y. 18 Front St.

POUGHKEEPSIE, N. Y., Nov. 8-10.—Annual exhibition, Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill.

TARRYTOWN, N. Y., Nov. 10-11.—Chrysanthemum show, Tarrytown Hort. Society. Wm. McCord, Sec'y.

PROVIDENCE, R. I., Nov. 9-10.—Chrysanthemum show, Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St., Providence.

BUFFALO, N. Y., February 15-16, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

BROCKTON, MASS., Nov. 1-3.—Exhibition of Brockton Gardeners' and Florists' Club. Walter E. Baker, Sec'y, Box 230, Campello, Mass.

WACO, TEXAS, Nov. 15-17. Fourth Chrysanthemum show, Texas State Floral Society. Miss Bella Beer, Sec'y, Waco, Texas.

ST. LOUIS, MO., Nov. 14-18.—Chrysanthemum show, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

PHILADELPHIA, PA., Nov. 7-11.—Annual exhibition, Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Broad street.

BALTIMORE, MD., Nov. 13-18.—Chrysanthemum show, Gardeners' Club. J. J. Perry, Sec'y, 36 W. Lexington street.

HARTFORD, CONN., Nov. 7-10.—Chrysanthemum show, Connecticut Hort. Society. C. H. Boykett, Sec'y, Hartford.

MADISON, N. J., Nov. 7-8.—Fall show Morris County Gardeners' and Florists' Society, Chas. H. Atkins, Sec'y, Madison.

ELMIRA, N. Y., Nov. 14-15. Chrysanthemum show. Elmira Hort. Society. R. R. Stockdale, Sec'y.

Location of Return Pipe.

ED. AM. FLORIST:—I have at present six greenhouses 154 feet long heated by steam, the boiler being at the northeast corner of the houses, which run east and west and drain their surface water east. The supply pipe leads from the boiler house south through the east end of the houses to the sixth house, feeding in each house a supply pipe which runs overhead to the west end and in turn feeds the coils, which return under the benches to the return pipe. The latter is below the main supply pipe and runs through the east end of the six houses from south, north to the boilers. It is about this return pipe that I wish information. The houses being about eighteen feet wide, this pipe is about 130 feet long from the last coil in the sixth house to the boilers, and it is sunk in the ground the whole way; the boilers being ten feet below the surface gives it a drop of about six feet in the 130 of its length, and the lowest coil is eighteen inches above the return pipe. Now this pipe has done its work satisfactorily, but has always given us trouble whenever we have had to get to it for repairs; it also rusts out very fast, being in the ground and always wet. This year we are pulling it out to make room for a new one, and wish to have replies to the following:

1. Can we raise this return pipe to the surface of the ground?
2. How much drop must it have?
3. How near can it come to the level of our lowest coil?
4. Is there anything in the theory that our steam feed, having to travel so much farther to reach the coil than the return, on cold nights when the condensation is great the return water will be forced up into the coils if the return pipe is not eighteen inches or more below the level of the coil, and not more than that above the water level of the boilers? FLORIST.

1. The data will not suffice to enable one to answer this question definitely, but it seems as though the pipe might be raised, or at least it should be an easy matter to carry it in a conduit slightly below the surface, where it will not be subject to rust and where it can be readily reached for repairs.

2. One inch in ten feet will answer very well.

3. Eighteen inches is desirable, but less will answer and if the boiler is several feet below the level of the coil, six inches will answer very well.

4. The theory referred to becomes a fact only when the water level in the boiler is but a few inches below the lower ends of the coils or if the feed pipe is too small. When there is a difference of two or more feet in the heights of water in boiler and the coils there should be no trouble. For houses as long as those described it is generally desirable to use 2-inch feeds and 1½-inch returns for each house. L. R. TAFT.

The Nomination of S. A. F. Officers.

ED. AM. FLORIST:—I am pleased to notice that P. O'Mara has made an effort to come to the rescue of the subject heading this letter, because Mr. O'Mara can discuss a subject dispassionately, avoiding "hysterics;" consequently it is a pleasure to take note of what he says in your New York contemporary anent the subject under consideration.

The "intricate" nominating process now in operation in the S. A. F. might do for organizations where the membership is not so unwieldly as is that in the S. A. F., but even in those smaller societies nothing is gained in the efficiency of officers elected after being nominated by the new way. Then of what use is it taking up that time which certainly ought to be made more valuable than it now is?

Mr. O'Mara and your contemporary clearly see that there is no advantage in the new fad over the "open and above board," good old way, or they would positively say so, which they do not. The very best your contemporary has been able to say in its favor is, "That just as good officers have been elected by the new way as by the old," or words to that effect. When so much valuable time is taken up by the new process, better or more efficient officials should be elected as compensation for lost time, or why hold on to it?

I do not agree with Mr. O'Mara that "there is always danger that over-zealous friends will say something derogatory to the other candidates and create rancor," when nominating in the good old way, for so far as I have noticed in any conventions which I have attended where oral nominations have been in order, nothing approaching derogatory language has been used against a rival candidate. Every word said, so far as I have heard, has been said with the end in view of saying as good a word as possible for the candidate who has been placed in nomination, without referring to the other candidate or candidates in any way whatever.

The reason why I ventured to suggest that the author of the new way should move for its repeal is because I had hoped and believed that he himself could see that it offered no advantage over the old way, and that he would be more highly respected, therefore, by the members of the S. A. F. for his movement, rather than

tacitly assent to its retention. It is more an evidence of strength than otherwise in a person who has the courage to own up that what he thought he had every reason to expect would be a benefit to the S. A. F. had failed, and I will venture a prediction that if Mr. O'Mara or any other member who was prominent among the advocates of the new way of nominating officers of the S. A. F. would move for its repeal, it would be agreed to without a dissenting voice, unless possibly some one or more persons voted in the negative out of pure contrariness.

Let's get together and avoid factions in the good old S. A. F.

SOLOMON WISE.

Catalogues and Cut Flower Price Lists Received.

Phœnix Nursery Co., Bloomington, Ill., trees, shrubs and bedding plants; Morrisville Nurseries, Morrisville, Pa., trees, shrubs and plants; Frederick W. Kelsey, New York, N. Y., trees, shrubs and plants; F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., bulbs and plants; Lothrop & Higgins, East Bridgewater, Mass., dahlias; J. W. Adams & Co., Springfield, Mass., trees and plants; R. & J. Farquhar & Co., Boston, Mass., bulbs, plants and seeds; John Welsh Young, Germantown, Philadelphia, Pa., decorative plants; H. Harmon & Co., Portland, Me., bulbs; The Herendeen Manufacturing Co., Geneva, N. Y., boilers; J. Bagby & Sons Co., New Haven, Mo., fruit trees and vines; Ernst Riemschneider, Altona-Hamburg, Germany, seeds, bulbs and plants; the Pomona Nursery Co., Somerville, Tenn., fruit trees; W. Atlee Burpee & Co., Philadelphia, Pa., seeds; J. M. Thorburn & Co., New York, N. Y., seeds; The Geo. A. Sweet Nursery Co., Dansville, N. Y., trees and shrubs; Henry Nungesser & Co., New York, N. Y., grass seeds; Bassett & Washburn, Chicago, Ill., florists' supplies and cut flowers.

OBITUARY.

F. W. LOUDON.

This well known horticulturist died at his home in Janesville, Wis., October 2. To the older generation of fruit growers Mr. Loudon was best known as the originator of the Jessie strawberry and the Loudon raspberry. Francis William Loudon was born at Strafford, Vt., December 17, 1818. He was a tanner by trade, afterward engaging in the boot and shoe industry. In 1852 Mr. Loudon retired from business and turned his attention to horticultural pursuits, in which he gained a national reputation.

NEWS NOTES.

DESMOINES, IA.—Mrs. W. L. Morris has been granted a divorce from her husband the well-known florist, with $2,400 alimony.

NEEDHAM, MASS.—W. H. Watson, florist and gardener, is in bankruptcy. Liabilities are given as about $3,000 with assets $460.

BALTIMORE, MD.—Robert and Mary Paterson have dissolved partnership. The latter will carry on the business under the name of Mary Johnston.

LENOX, MASS.—Thomas Locke succeeds J. F. Huss as superintendent of the Morgan estate at Ventfort Hall. Mr. Locke has been foreman under Mr. Huss for some time.

WILLIAMSPORT, PA.—The novel suit of John Coleman against Daniel E. Gorman has not yet been heard by Judge Metzger. Mr. Gorman has recently added a palm house and office to his establishment.

BAY CITY, MICH.—Boehringer Bros. are erecting a large smoke stack at their greenhouses. They have heretofore used wood as fuel but will try slack coal this winter.

CANTON, MASS.—Robt. Hutchins, who is running the old Lyons establishment here, has been cutting fine roses from a special summer house and his stock looks very promising for winter.

TERRE HAUTE, IND.—Cowan Bros. & Co. report a good summer trade and bright prospects for winter. They have just added a house 10x50 for Princess of Wales violets and have also put in a new boiler.

PERKASIE, PA.—J. Werst has completed a house 40x200 in which he has benched 1700 tomato plants. The house is heated by steam from a 100-horsepower boiler passing through 6,000 feet of 2-inch pipe and 3,800 feet of 1-inch pipe.

DES MOINES, IA.—The Iowa Seed Company is completing a new range of eight houses. They deal extensively in gold fish and are constructing a tank 12x65 and eight feet deep for the finny fellows. They will also use the water from the tank for watering in the houses, being beyond the city water supply.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By experienced gardener and mushroom grower. Good references. Address J. L., care American Florist.

SITUATION WANTED—Store or greenhouse, as designer and salesman. Best of references H S. care American Florist.

SITUATION WANTED—By a first-class palm, fern and stove plant grower; life experience. Best of references. Address M R, care Am. Florist.

SITUATION WANTED—By a German, age 23; 9 years' experience in Germany; not afraid of work, and willing to start on small pay. Address FRED REINLEIN, Mt. Vernon, Ill.

SITUATION WANTED—By young man as assistant in greenhouses Experience equivalent to about four years. To begin about Jan. 1st. Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—By a young florist, 24, on a private place; willing to care for vegetable garden, lawn and general work; 8 years' references. State wages. J. MARSH, Kings Park, L. I., N. Y.

SITUATION WANTED—By lady florist in flower store; have had eight years' experience in making designs and waiting on customers. Recommendations as to ability furnished. Address O D, care American Florist.

SITUATION WANTED—As working foreman, capable of taking full charge; good grower and propagator of cut flowers and general stock; also designer and handy with tools; 20 years in business. German, 35 years old, married. Illinois or Indiana. $15 00 per week. Address A B, care Joseph Freund, 758 No. Halsted St., Chicago, Ill.

WANTED—A good, young man for work around greenhouses State wages. Address P A P C, care American Florist.

WANTED—A copy of issue No 4, October 1, 1885, volume I of the AMERICAN FLORIST. In good condition. Address S S, care American Florist.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—A good man to take care of roses and carnations; must have experience in growing cut flowers. Apply to F. STIELOW, Niles Center, Ill.

WANTED—For general greenhouse work, an active and reliable young man Wages $25 per month. A steady place for the right man. Address with references, S. M. HARRISON, Danville, Ky.

WANTED—Competent working foreman, capable of taking charge of 20,000 ft. glass—roses, chrysanthemums, carnations, ferns and palms. A good position to a man of ability. J. F. SULLIVAN, Detroit, Mich.

WANTED—A No. 1 all-around florist salesman, etc; willing to work and to have a boss over him. Give references. State wages, etc. Permanent place for right man. Address JNO. A. LAMBERT, Atlanta, Ga.

WANTED—Salesman. A sober, energetic young man of good address for permanent position as travelling salesman for well-known eastern firm; must understand the plant and bulb line. Give references, experience, etc. Address CONFIDENTIAL, P. O. Box 1627, New York City.

WANTED—A young man thoroughly familiar with the propagation of ornamental stock both outside and under glass; a man familiar with summer propagation of roses in hotbeds preferred; he must be young, energetic and capable of superintending the work of others. Address SHERMAN NURSERY Co., Charles City, Iowa.

WANTED—Store man to take charge of store doing the best trade in a western city of 200,000. Must be first-class decorator and cut flower worker. Wages $100 per month. In answering give name and address of every former employer. If not accustomed to a first-class trade, or if you get drunk or gamble, do not answer, for we shall investigate thoroughly. Address J A V, care American Florist, Chicago.

FOR SALE—16 pieces or lengths of 4-inch cast iron pipe, six tees, four double tees. All new. L. E PIKE, West Liberty, Iowa.

FOR SALE—Good plant and cut flower business, 10,000 feet glass, good market garden of 10 acres; good live town of 12,000. Reason for selling, death of owner. MRS JULIA STEINHAUSSER, Admr., Pittsburg, Kan.

FOR RENT.

Unexcelled location for florist store at entrance of large Chicago theatre. Will make rental nominal to get business started. DUNLAP SMITH & CO.,
170 Dearborn St., - Chicago, Ill.

GARDENER WANTED

To take charge of our greenhouses. Excellent opening for the right man.

W. N. RUDD, Mount Greenwood, Ill.

WANTED—Immediately.

Party to take charge of our catalogue department. Experience in compiling seed and plant catalogues a requisite. None but first-class man considered. Apply with references,

L. L. MAY & CO., ST. PAUL, MINN.

FOR SALE OR LEASE.

Desirable range of 6000 feet of glass in Chicago. Houses planted now, carnations, violets, chrysanthemums, etc. Will be sold reasonably and on good terms. Address

W H, care American Florist.

A RARE CHANCE. The proprietor of a well-established place of 15,000 square feet of glass in a town of 60,000, about 60 miles from Philadelphia, desires to retire and will sell his stock, ALL IN FINE SHAPE, and lease the place for a number of years to party who is reliable and who has small capital. This is a profitable retail business, of which further particulars may be had by addressing..... **ROBERT CRAIG & SON,**
Market and 49th Sts., **PHILADELPHIA.**

FOR SALE...

at a great sacrifice if taken immediately—my greenhouse property, consisting of 8000 feet of glass in excellent condition, with a fine stock, nicely fitted office, shop, potting shed, new barn with storage cellar, everything ready for the coming year's trade. An A1 property and business, no competition within 60 miles, any direction. If you want a place and have money, address

MRS. F. E. BLAIR,
Big Rapids, Mich.

Omaha.

Mrs. John Ederer died October 2 after an illness of two weeks.

September 28 we had a severe frost, killing everything outdoors.

The State Horticultural Society held its annual fair at the Exposition September 15 to 18 and the florists did themselves proud.

Chapin Bros., Lincoln, have built one house and put in a new boiler large enough to permit them to put on six more houses.

C. H. Frey has built three rose houses 20x135. Frey & Frey have also rebuilt some of their houses.

P. B. Floth has been ill ever since he came back from Detroit, but is now improving.

Visitors: Mr. Ford, representing A. Herrmann; Paul Berkowitz, of Bayersdorfer & Co.; C. Cropp and Mr. Wheeler, of Vaughan's Seed Store. GRIPPE.

NEWBURGH, N. Y.—The Newburgh Floral Co. is enjoying a trade much better than usual for so early in the season.

ROSES

G. Van Bochove & Bro., Growers,
.....KALAMAZOO, MICH.

Fresh A No. 1 Stock.
TRY US.

TEXAS SEED AND FLORAL CO.

Wholesale Florists,
DALLAS, TEXAS.

Consignments of choice Roses and Carnations solicited.....

We wish to make arrangements with a few first-class growers for regular consignments. Correspondence solicited.

Wholesale Flower Markets

CINCINNATI, Oct. 5.

Roses, Beauty	10.00@20.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle	3.00
Carnations	.75@ 1.00
Lily of the Valley	3.00@ 4.00
Asters	.50@ 1.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Oct 5.

Roses, Beauty	8.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 5.00
" Perle	2.00@ 4.00
Carnations	1.00@ 1.50
Lily of the valley	3.00@ 5.00
Tuberoses	4.00
Violets	.40@ .60
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Oct. 5.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4.00@ 5.00
" Perle	3.00@ 5.00
" Meteor	4.00@ 6.00
" Kaiserin	5.00@ 8.00
Carnations, fancy	1.50@ 2.00
Adiantum	1.00
Common ferns	.25
Smilax	12.50@15.00
Asparagus	60.00

PITTSBURG, Oct. 5.

Roses, Beauty	8.00@25.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	4.00@ 8.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Chrysanthemums	6.00@15.00
Smilax	10.00@15.00
Wild Smilax, per case	3.50
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	.35
" strings	.35 to 50c
" Sprengerii, bunches	.35 to 75c
Asters	.75@ 2.00
Gladioli	2.00@ 4.00

The management of

The "Rosebank" Nurseries

is prepared to make yearly contracts with retail florists all over the country, to furnish them daily or weekly, as desired, a superior grade of

LILY OF THE VALLEY

at a special price of **$3.00 per 100** and guarantees them to be

FIRST-CLASS SPRAYS IN ALL RESPECTS.
FRESH AND PERFECT IN FLOWERS AND FOLIAGE.
PROPERLY AND CAREFULLY PACKED AND SHIPPED.

☞ THIS OFFER WILL BE WITHDRAWN AFTER OCTOBER 15TH, WHEN THE REGULAR PRICE OF "ROSEBANK" VALLEY WILL BE ESTABLISHED AND STRICTLY MAINTAINED THROUGHOUT THE YEAR.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

J. B. DEAMUD,

(Successor to ILLINOIS CUT FLOWER CO.)

In addition to our regular supply of Cut Flowers, we are now handling a very select line of ORCHIDS, which we can supply in quantity.

Cattleya labiata, $6.00 per doz. Dendrobium formosum, $3.00 per doz.

We quote as follows on other varieties of first-class stock:

	PER DOZ.		PER 100.
AM. BEAUTIES, Fx. long	$3.50 to $4.00	PERLES	$2.00 to $4.00
" " 24 in.	2.50 to 3.00	CARNATIONS	2.00 to 2.50
" " 20 in.	2.00	VALLEY	5.00
" " 15 in.	1.50	SMILAX	12.50 to 20.00
" " short	1.00 to 1.25	ADIANTUM	.50
BRIDES, MAIDS...per 100,	$3.00 to $4.00	ASPARAGUS	50.00
METEOR, KAISERIN "	3.00 to 5.00	FANCY FERNS	1.00 per M.

We are receiving a limited number of **VIOLETS.** As heretofore, we are headquarters on **'MUMS.** Place your orders with us for what you may need.

Soliciting your trade, I remain, Yours very resp'y,

J. B. DEAMUD, 51 Wabash Ave., CHICAGO.

PITTSBURG CUT FLOWER CO., Ltd.,

WHOLESALE FLORISTS,

Long Distance 'Phone 2157. Consignments Solicited. *No. 705 Penn Ave.,*

FLORISTS' SUPPLIES. WRITE FOR PRICE LIST. PITTSBURG, PA.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

P. O. Box 103, MILWAUKEE, WIS.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

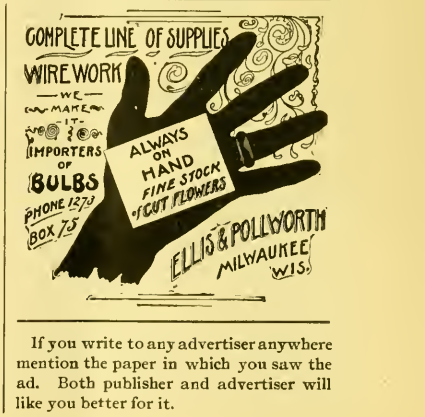
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CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....
THE AMERICAN FLORIST CO.



If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

800,000 FEET OF GLASS.



Wholesale Growers of

CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

Wholesale Price List.

AMERICAN BEAUTY 30-36-in. stem	per doz.,	$3.50 to $4.00
24 "	"	2.50 to 3.00
20 "	"	2.00
15 "	"	1.50
12 "	"	1.25
8 "	"	1.00
METEOR	per 100,	3.00 to 5.00
BRIDESMAID	"	3.00 to 5.00
BRIDE	"	3.00 to 5.00
LA FRANCE	"	4.00 to 6.00
PERLE	"	3.00 to 4.00
CARNATIONS	"	2.00 to 2.50

Quotations subject to change without notice. All other stock at lowest market prices.

WE NOW CLOSE AT 6:30 P. M. SUNDAYS AND HOLIDAYS AT NOON.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS.

FULL LINE OF ALL Florists' Supplies

Fall Bulbs Of All Kinds. Write for quotations on your wants now.

E. C. AMLING,

.... WHOLESALE CUT FLOWERS

W. S. HEFFRON, Mgr. 51 Wabash Ave., CHICAGO.

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

WE ARE NOW CUTTING NEW

Brides, Maids and Beauties....

GEO. A. KUHL, Pekin, Ill.

TELEGRAPH CODE OF THE AM. SEED TRADE ASSOCIATION

$2.00,

in either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

Wholesale Flower Markets

CHICAGO, Oct. 6

Roses, Beauty, extra long stems		3.50@4.00
" " 24 inch	"	2.50@3.00
" " 20 "	"	2.00
" " 15 "	"	1.50
" " 12 "	"	1.25
" " 8 "	"	1.00
" Bride		3.00@ 5.00
" Bridesmaid		3.00@ 5.00
" Perle		3.00@ 4.00
" Meteor		3.00@ 5.00
" Kaiserin		3.00@ 6.00
" La France		4.00@ 6.00
Carnations		2.00@ 2.50
Violets, single		1.50
Lily of the Valley		4.00@ 6.00
Cattleyas	per dozen	6.00
Dendrobiums	" "	3.00
Auratums		8.00@12.00
Harrisii		10.00@15.00
Chrysanthemums		20.00@25.00
Asters, fancy		1.00@ 3.00
Mignonette		1.00@ 2.00
Adiantum		.50@ 1.00
Common ferns		.15
Fancy Ferns		.20
Smilax		10.00@20.00
Asparagus		50.00

Tell them where you saw the ad.

E. H. Hunt

THE "OLD RELIABLE" FOR WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

WIETOR BROS.

SUCCESSORS TO ROGERS PARK FLORAL CO.

Wholesale Growers of CUT FLOWERS

51 WABASH AVENUE,

Headquarters For American Beauties. CHICAGO

Mention American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

COMMENCING OCTOBER 2nd, UNTIL FURTHER NOTICE, WILL BE OPEN FROM 7:30 A. M. TO 8:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

N. F. McCarthy & Co. JOBBERS IN FLORISTS' SUPPLIES

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

GALAX LEAVES.

Brilliant Bronze and Green.

$1.25 per 1000. Price in quantity on application.

HARRY A. BUNYARD,

42 West 28th Street, : NEW YORK CITY.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

Wholesale Flower Markets

PHILADELPHIA, Oct. 4.

Roses, Tea	2.00@ 3.00
" " extra	4.00@ 5.00
" Beauty, extra	15.00@30.00
" " firsts	10.00@15.00
" " seconds	6.00@10.00
Carnations	.75@ 1.50
" fancy	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	35.00@50.00
Smilax	15.00@20.00
Adiantum	.75@ 1.00

BOSTON, Oct. 4.

Roses, Beauty, select	12.00@25.00
" " ordinary	2.00@ 5.00
" Bride, Bridesmaid, Meteor	.50@ 4.00
" Kaiserin	1.50@ 6.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asters	.25@ 1.00
Gladioli	1.00@ 4.00
Japan Lilies	2.00@ 3.00
Smilax	8.00@10.00
Asparagus	50.00
Adiantum	.50@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

EDWIN A. PARKER,

Wholesale Florist,

2408 Rosewood St., - PHILADELPHIA.

Consignments of Roses, Carnations and Violets solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

BOSTON FLORISTS' EXCHANGE....

HEADQUARTERS for choice Roses, Violets, Carnations and Chrysanthemums.

Consignments Solicited.....

22 Chapman Place, BOSTON, MASS.

J. M. COHEN, Prop. TELEPHONE 2385.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on app'ication.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists
NOW OPEN FOR BUSINESS AT
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

Always mention the.....
American Florist
when writing advertisers.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Oct. 4.

Roses, Beauty select	10.00@25.00
" " ordinary	2.00@ 5 00
" Bridesmaid, Bride, Morgan	.50@ 3.00
" Kaiserin, Meteor	1.00@ 4 00
Carnations	.50@ 1.00
" fancy	1.00@ 2.00
Lily of the valley	1.50@ 2.50
Longiflorum	2 00@ 4 00
Gladioli	1.50@ 2 00
Asters, per hundred bunches	1 00@ 3 00
" fancy	.50@ 1 00
Cattleyas	35.00@40 00
Smilax	5.00@ 8 00
Asparagus	25 00@35.00
" Sprengeri,per doz. bunches	1@2
Adiantum	.40@ .50

BUFFALO, Oct. 5.

Roses, Beauty	3.00@30 00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1 25
" fancies	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1 00
Asters	.50@ 1.50
Tuberoses	3.00@ 6.00
Dahlias	.75@ 1 25
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00
Gladiolus	1.00@ 3.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

...GEO. M. KELLOGG...
Largest Grower of... in the West. **Cut Flowers**
Give us an order and we will please you.
Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.
LONG DISTANCE 'PHONE AT EITHER PLACE

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

Galax For Summer Use in Cold Storage.....
Write the INTRODUCER, **Leaves**
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. ...NEW YORK.
Cut Flowers at Wholesale.

All ready for business in our enlarged, attractive, new location. Can accommodate a few more consignors of desirable stock.

OFFERING AT PRESENT... LATER ON....
BEAUTIES, BRIDESMAIDS, BRIDES, METEORS, CARNOTS, KAISERINS, CARNATIONS, VALLEY, LILIES, ASTERS, GLADIOLI, ETC.
VIOLETS A SPECIALTY.

KEEP POSTED AS TO NOVELTIES IN MARKET BY ATTENTION TO THIS SPACE WEEKLY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Secy and Treas.

VISITED CHICAGO: Winfred Rolker, of August Rolker & Sons, New York.

THE late frost in Nebraska damaged unmatured seed crops to some extent.

DETROIT, MICH.—Eugene Schaettel, of Vilmorin-Andrieux & Co., called here this week on his way east.

NEW YORK.—It is stated that the entire importation of Japan longiflorums to this city has arrived in a rotten condition and has been abandoned to the government by the consignees.

WETHERSFIELD CONN., October 3.—The season here has been dry, which suits the local seed growers. The crops are good and of a good quality, but the area devoted to seed growing is diminishing every year.

W. H. GRENELL is taking in his peas and beans at Saginaw, Mich., a total of about 35,000 bushels. It is stated that Mr. Grenell contemplates building a warehouse there, possibly making Saginaw his headquarters.

ERFURT, September 16.—Crops have turned out satisfactorily so far but heavy rains have set in during the last week and if they are not over soon we fear the wet will do great damage to asters and other crops still in the field.

BOSTON, MASS.—Robert Farquhar, of So. Market street, has been obliged to give up business on account of ill health. The store was one of the most elaborate in this city. The fixtures, with the entire stock of bulbs, tools and sundries, have been purchased by W. W. Rawson & Co., who are now refitting their own store and intend to make it the most complete in New England.

Corner on Clover Seed.

The clover seed market is being cornered, according to advices received from Toledo, O., the clover seed center of the country. Prices now have a range from 75 cents to $1 higher than prevailed at this time a year ago. The local market is sensitive and fluctuating. At the beginning of the week clover seed was quoted at from $7.50 to $7.75 per hundred pounds for October delivery and advanced to $8.40 on Wednesday. Yesterday the price eased off to $8. The farmer will have to pay 10 to 12 cents more for his seed this year than last.—*Chicago Tribune, Sept. 29.*

California Notes.

Gustave Brose, for many years manager of the seed department of the Germain Fruit Company and E. Fleur, of Alhambra, have formed a partnership under the name of the Brose-Fleur Seed and Plant Co. They will soon open a store on West Fourth street, Los Angeles, where they will conduct a general seed, plant and florist supply business. They also intend growing seeds and bulbs.

Reports from the freesia growers show that the demand this year exceeded the supply for large sized bulbs. Some crops disappointed the owners, as, owing to the dry season, the bulbs were not up to expectation so far as size is concerned. The growers are very largely increasing their plantings for next year's crop and with a wet season the output next year will surpass all former records.

D. R. W.

SPECIAL SALE OF

A Late Shipment of

FINE, SOLID AND HEALTHY

LILIUM HARRISII BULBS

5-7 $4.50 per 100; $40.00 per 1000.

PACKED 400 BULBS IN EACH CASE. ORIGINAL CASE LOTS AT 1000 RATES.

ORDER AT ONCE if you wish to secure them. A very large shipment (700,000) of Japan longiflorums arrived entirly decayed and worthless which will naturally make an active demand for Lilium Harrisii.

NEW CROP SMILAX SEED just received, $2.50 per pound; 75 cts. per 1-4 pound; 25 cts. per ounce.

CALLA LILY BULBS, first-class, with sound tops, $4.00 per 100, to close out.

HENRY F. MICHELL,

1018 Market Street, PHILADELPHIA, PA.

Chinese Narcissus are the most salable bulbs to retail buyers; they are cheap, well-known and give universal satisfaction.

NEW STOCK NOW READY.

CHINESE ..SACRED LILY..

—OR—

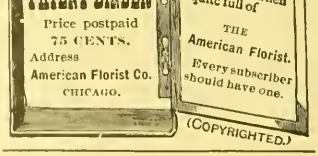
"Joss" Flower.

WRITE FOR PRICES.

Complete line of DUTCH BULBS.

VAUGHAN'S SEED STORE,

CHICAGO: 84 Randolph Street. NEW YORK: 14 Barclay Street.



Please mention the American Florist.

GENUINE DANISH SEED

only direct from

R. WIBOLTT, seed grower

Nakskov, Denmark.

Pricelist on application



Mr Ball Head Miss Snowball

both of Denmark.

Awarded the largest Silver Medal in St. Petersburg in May, 1889.

LILY OF THE VALLEY PIPS.

...English...

Mushroom Spawn.

JUST RECEIVED.

Made especially for us and of the finest quality.

IN CASES OF ABOUT 400 Lbs., AT 6c PER Lb.

OR IN 1000 Lb. LOTS, AT 5½c PER Lb.

or less than case lots, at 6½c per lb.

ROBERT BUIST COMPANY,

PHILADELPHIA, PA.

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	
etc.	etc.	etc.

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

40,000 'MUMS.

Between Oct. 10 and Christmas we shall market the entire cut of one of the largest growers about Chicago, 40,000 first-class flowers, A1 in every respect.

We are exclusively **Rose Growers** and can supply the best qualities, including American Beauty, at all times.

We are also in a position to fill orders for the most popular varieties of **Carnations.**

All orders shipped at market prices within two hours of receipt.

..THE..
VARIETIES.

PINK.
Glory of Pacific,
Maud Dean,
Mrs. E. G. Hill.

YELLOW.
Yellow Queen,
Major Bonnaffon,
Golden Wedding.

WHITE.
Fee du Champsaur,
Mrs. Jerome Jones,
Frank Hardy,
W. H. Chadwick,
Wanamaker,
Mayflower,
Ivory.

J. A. Budlong, 37-39 Randolph St., CHICAGO.

ESTABLISHED 1802

THORBURN'S SEEDS

Dutch Bulbs
AND
LILY OF THE VALLEY PIPS
for Forcing and Outdoor planting.

Florists and Dealers are invited to send for Trade List now ready.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

KENTIA SEED. EST. 1878.
Belmoreana and Forsteriana.

Guaranteed fresh 1899 crop—no old 1898 left over seed. Australian climate ripens seed by July-August. 100 seeds *delivered*, 60 cts.; 1000, $4.25; 10,000, $40. Sample dozen sent on receipt of 10 cts.

H. H. BERGER & CO.,
47 Barclay St.. - - NEW YORK.

Do not forget to say "saw your ad. in the AMERICAN FLORIST" when corresponding with advertisers

CINERARIA — Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.

CYCLAMEN — Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.

PRIMULA — Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.

PANSY — Rolker's Giant, $5.00 oz.; ⅛ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 52 Dey St., New York.
When writing mention the American Florist.

100 BALES FINEST PLAITED
RAFFIA
JUST LANDED.
Weighing about 200 lbs., per bale at 11½c per lb., or less than a bale at 13c per lb.
ROBERT BUIST COMPANY,
PHILADELPHIA, PA.

PALM Seed. FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5 00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

Say: "Saw it in the FLORIST."

CALLA ÆTHIOPICA

Fine, well-cured bulbs: from our own farm in California.

	circumference.	per 100	per 100
MAMMOTH BULBS,	6 in. and up	$8.50	$75.00
EXTRA SELECTED,	5 to 6 in.	6.50	55 00
FIRST-CLASS,	4 to 5 in.	4 50	35.00
SECOND SIZE,	3 to 4 in.	2.50	15.00

300 of one size at 1000 rates.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

BOBBINK & ATKINS,
Representatives of the following European Houses:

The Horticultural Co., Boskoop, Holland. H. P. Roses, Rhododendrons. Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs.

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Scoeck Bros., Geodbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

We beg to announce to the TRADE that we have our own collectors in the Tropics and are booking orders for
CATTLEYA TRIANÆ, MENDELI GIGAS and AUREA, and
ODONTOGLOSSUM CRISPUM (Pacho types) for delivery spring 1900
We also have the finest collection of Lælio-Cattleya Hybrids in America, catalogues of which will be sent on application. **ARNOLD & CO.,**
222 S. Marks Sq., Philadelphia, *Orchidists.*

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

W. J. PETERS, Pres.; D. S LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

NURSERYMEN are still predicting advances in prices.

C. L. WATROUS considers the De Soto the most profitable variety of plum.

THE receipts of the Minnesota State Fair were $82,203.87 and the profits $20,877.48.

F. T. Ramsey, the Austin nurseryman, has been elected president of the Texas Horticultural Society.

THE Jackson & Perkins Co., Newark, N. Y., has a large stock of ornamentals on land which must be cleared.

SUZUKI & IIDA are introducing Rubus morifolius, a variety which ripens in July, with fruit of splendid appearance.

W. R. AND J. B. LAUGHLIN, College Springs, Ia., have sold their nursery established in 1856 to J. F. Johnson for $5,400.

THE new McPike grape has captured many premiums this autumn. It endured cold 27° below zero last winter and bore a good crop this year.

E. W. REID now has a postoffice in proximity to the nursery, the new address being Reid's Nurseries, Upland, O., instead of Bridgeport.

PYRUS BACCATA is the hardiest known species of the genus, hardy even at Indian Head, Manitoba, where 50° below zero is experienced not infrequently.

JACOB WENTZ, who has been in the nursery business at Rochester for four decades, died at his home at Irondequoit, N. Y., on September 27, aged 70 years.

J. D. MURPHY, Dansville, N. Y., sold Geo. Peters & Son, Troy, O., nursery stock to the amount of $1055 but upon its arrival the purchasers regraded the stock and asked a deduction of $150, which they failed to get, and refused to pay. Murphy began suit and Peters & Son paid without further argument.

Los Angeles.

PLANS FOR HEAVY BUSINESS IN SOUTHERN CALIFORNIA.—MUCH STOCK IN SIGHT.—ABOUT ORCHIDS. — REDUCED EXPRESS RATES ON CUT FLOWERS.—DOINGS OF VACATIONERS.

All our growers have prepared heavy stocks for cut flowers. Carnations are to be seen in five and ten acre patches and violets are grown by the acre, also roses and chrysanthemums. Smilax and Asparagus plumosus are plentiful, being grown in lath houses. Smilax is so easily grown and is in such abundance that it can be bought in quantity, strings six to eight feet long, at $5 per 100 strings. Violets and chrysanthemums are just beginning to appear in the stores. This year there has been a very good demand for the cut blooms of Amaryllis Johnsonii, A. vittata and the Belladonna types. There are some remarkably fine flowers of them exhibited in the store windows. The plantsmen have prepared fine large stocks of ferns and asparagus as they give general satisfaction as house plants. The supply of small and medium sized palms is very good.

The Los Angeles city parks are building two large greenhouses in which to grow plants for display in the conservatory. Mme. Modjeska, the famous actress, has also built a large conservatory on her ranch in Orange county.

H. Wilfrid Walker, the orchid hunter, is again yearning for the tropics and, expecting to make another voyage soon, has disposed of his choice lot of plants, most of which he collected in South America, to M. Welsh. This addition makes Mr. Welsh's collection the finest in Los Angeles or vicinity.

Morris Goldenson is the youngest florist in the city in point of years but he has been in the business long enough to wield considerable influence. Chiefly through his instrumentality the Wells-Fargo Express Company has made a reduction averaging nearly fifty per cent on rates for cut flowers. This should largely increase shipments for this point. Mr. Goldenson also agitated the question of Sunday closing so successfully that all the flower stores are now closed on that day.

A carload of Japanese trees, shrubs and plants recently arrived in this city whence they were forwarded to Pasadena to be used to ornament one of the finest places in that beautiful city.

J. A. Summers, O. C. Saakes, Capt. M. E. Walker, Ed. Ruddy and Morris Goldenson took an ocean voyage for a summer vacation and camped on Catalina Island. Miss Harriet Goodin and Miss Ethel Lord visited San Diego. Alfred Roedder spent his vacation nursing a wounded hand caused by the accidental discharge of a revolver. John Schlaloss visited the mountains and Fred. Howard went to Santa Barbara. D. R. W.

Tarrytown, N. Y.

MEETING OF THE HORTICULTURAL SOCIETY. —NEW MEMBERS. — THE WESTCHESTER FAIR.—GOOD FLORAL DISPLAYS.—NOTES OF THE EXHIBITS.

The monthly meeting of the Tarrytown Horticultural Society was held on September 28, but the attendance was somewhat less than usual. John Humphrey, gardener to Mr. Legg, Tarrytown, exhibited a vase of an unnamed carnation of the Eldorado type, which was very favorably commented upon. Walter M. Cooke, Tarrytown; Claude Wilson, Dobbsferry, and Peter Franklin were elected to membership. Robert Henderson, Irvington; Steven Bradley, Hastings, John Boshard and Jos. Money were proposed.

The Westchester Fair at White Plains had several features of interest to the florist. For the most effective group of not less than 100 potted plants the F. R. Pierson Co., Tarrytown, secured first honors. They had a nice clean collection of decorative stock. J. S. Snedeker, White Plains, was second. His was a collection of greenhouse flowering plants, over 100 varieties. Cooke & McCord, Tarrytown, were third with a very creditable display. The F. R. Pierson Co. secured first honors for dahlias and cannas with a superb collection. J. S. Snedeker was first for cut flowers.

Cooke & McCord are building a house for palms. JAS. T. SCOTT.

WATERTOWN, N. Y.—Green & Underhill were recently the recipients of a visit by the palm swindler but they took care to verify the order and lost nothing. Unfortunately the fellow got away.

WHEELING, W. VA.—Jesse McCausland, assignee for Huscroft Bros., has charge of assets variously estimated at from $4000 to $8000, but certainly ample to cover all liabilities.

For Parks, Cemeteries or Private Grounds

we can furnish a very large and superior stock of

FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.

Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.

Remember we are Headquarters for Nursery Stock in the East.

Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.

SATISFACTION GUARANTEED. ADDRESS...

STEPHEN HOYT'S SONS, New Canaan, Conn.

250,000 MILLER'S RED RASPBERRY PLANTS.
300,000 EARLY HARVEST BLACKBERRY PLANTS.
150,000 LUCRETIA DEWBERRY PLANTS.
All of the above at $5.00 per 1000.
125,000 STRAWBERRY PLANTS, four of the best leading sorts, at $2.00 per 1000.
125,000 PEACH, 1 year from the bud and June budded, in surplus.
20,000 JAPAN PLUM, 1 year from bud, also in surplus.

MILFORD NURSERIES.
ALEX. PULLEN, Prop. MILFORD, DEL.

CLEMATIS, 2½ and 3-in. pots, well established with good growth.....

Jackmanni, President, Lilacina, Gypsy Queen, Henryii, Bangholme, Mme. Bar. Veillard, Mme. Ed. Andre, Duch. of Edinburgh, Sieboldi, Lawsoniana, Ramona. In collection including 25 per cent Jackmanni, $5 per 100; Paniculata, $3.50 per 100; Jackmanni or Duch. of Edinburgh, $6 per 100. All of the above varieties, 2 and 3 yrs. old, strong, $17 per 100, $160 per 1000. Paniculata, $10 per 100.

JOHN WALZ, 401 Central Park, Rochester, N. Y.

H. P. ROSES. Doz. 100.

Strong 2 year plants, own roots.....$1.50 $10.00
Double white Poet's Narcissus..... 1.00
Monthly Roses from pots or open ground 8.00

PAEONIES for fall planting in choice assortment, $10 per 100.

CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

HOME OF CHOICE TREES and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons. Kalmias Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. Catalogue free.

HARDY SHRUBS.

Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.

SAMUEL C. MOON. Morrisville, Bucks Co., Pa.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1864.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS A SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

.....If your.....
Business Methods
are right you can make a profit on an advertisement here.

What Have You to Sell ?

Having prepared for the season of 1899 and 1900 by remodeling our entire store, building new cooling rooms 12x16 x32 and 16x18x25 all on the latest, modern up-to-date style, we take pleasure in announcing that with the prospects of the coming season, we will be short on supply. We therefore inform you that if you have stock to sell, **we can sell it.**

Growers who grow stock for themselves often have more than they can use, **we can sell it, ship it along.**

We have been in the commission business more than twenty years and we can boast that our honest treatment has built up the largest business of its kind in the West. **When you want to buy** come to us, we will take care of you. When you want to sell come to us, for with the large outlet we have we can sell it.

We pay shippers on demand. Weekly statements of accounts rendered.

Information given on any subject in the trade on request.

We are especially short on "greens" such as Asparagus plumosus, Asparagus tenuissimus, Asparagus Sprengerii, Princeps Ferns, Farleyense, etc. Growers of these lines would do well on this market.

In short, if you are a seller see us. If a buyer see us.

Promptness has been one of the elements of our success; promptness in paying, promptness in filling orders correctly.

Promptness in all branchess makes us just what we have claimed to be, the oldest, most reliable firm of the kind in the United States.

Kennicott Bros. Company,

Wholesale Commission Florists,

42 & 44 Randolph Street,

CHICAGO, ILL.

FLINT KENNICOTT, Pres. E. E. PIESESR, Treas.
Hon. BOBT. REOFIELD, Vice. G. H. PIESER, Sec'y.
R. R. JAMPOLIS, Atty.

Attention Growers!

We are in position to do particularly well with first-class METEOR and PERLE stock and desire to correspond with growers having prospects of a choice cut of these roses for the coming season.

E. C. AMLING, 51 Wabash Ave., CHICAGO, ILL.

W. S. HEFFRON, MGR. WHOLESALE CUT FLOWERS.

FIRST QUALITY FORCING ROSES!

Perfectly Healthy and Grown Especially for Late Planting.

Only selected growth from flowering shoots used in propagating.

SUNSET, SAFRANO, PRES. CARNOT, KAISERIN, METEOR, MAIDS, WOOTTON, PERLE, MME. HOSTE,

3-inch pots, $5.00 per 100; 4-inch, $8.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

AMERICAN BEAUTY Bridesmaid Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS. **A. S. MacBEAN, Lakewood, N. J.**



COWS EAT SOUTHERN WILD SMILAX.

CHAPTER 1.

Dear Sir:—Do you know that Cows eat Southern Wild Smilax? Well, they do and it makes *fine feed.* On my beautiful estate of 1700 acres, "Getmore Farm," near Belleville, Alabama, 12 miles from Evergreen, I have tons of Southern Wild Smilax. In the winter when feed is scarce, I pull it down and let my cattle feed upon it. It improves the Smilax to pull it and it helps the Cows. This year I have changed my tactics. I have built a telephone line to "Getmore" and established a packing house there, and am offering Wild Smilax at *$2 per case of 16 cubic feet. And why?* Well, figures talk. Southern Wild Smilax at $2 per case will net me $60 a ton. Good Timothy Hay is worth only $15 a ton delivered at Evergreen. Now anyone can see that it will pay me to get $60 a ton for the Smilax and buy the hay at $15, *and I am also of the opinion that it will be a heap better for the Cow.*

Gentlemen, I want your trade. It's no use bucking against facts and figures like these. This is a quotation. It comes from Caldwell, The Woodsman, and it establishes the market value of Southern Smilax.

Your competitors have them as well as yourself and in the next big decoration they are going to make a figure in your estimate. Orders of five cases or less filled the same day as received; larger orders 24 hours' grace is expected. Hoping to hear from you at an early date with orders, I am, Yours truly,

CALDWELL, The Woodsman.

P. S. Chapter 2d, in which I will let you know What the Cow Says About It, will appear in American Florist of October 14th

They Must Go.

Grand 3-inch **BRIDES, METEORS, MAIDS,** at **40 per cent. discount to close.** This is really superb stock, bushy and full of shoots. Cheap only in price. If you mean business, write for free samples and price. This stock will **make you good money.**

W. H. GULLETT & SONS, Lincoln, Ill.

ROSES—VIOLETS.

	Per 100.
Wootions, fine, 2¼ and 3-in., to close out, at	$2.50
Meteors, " " " " "	2.50
Brides, " 5-in., " "	5.00
VIOLETS, M. Louise, field-grown	4.00
" Farquhar, " "	5.00
" California, " "	5.00
CARNATIONS, Wm. Scott, from open ground	4.00

Robert F. Tesson, West Forest Park, ST. LOUIS, MO.

Roses, Meteors, 2½-in. pots, per 100, $4 00
Bridesmaids, 3-in. stock," 5.00
Violets, Kaiserin, 4 " 8.00
in 2½-in. pots..... " 3.00
field-grown..... ...$40.00 per 1000; " 5.00
Carnations, field-grown, ready after Sept. 1st, all the leading varieties—$5.00 per 100, $40.00 per 1000.

W. F. KASTING,
481 Washington St., BUFFALO, N. Y.

BEGONIAS

Assorted varieties from 2-in. pots, **$2.00 per 100.**

EXTRA STRONG.

GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**

CASH, PLEASE.

Edward B. Jackson,
STAMFORD, CONN.

Cyclamen Giganteum

IN.... VARIETY.

FINE PLANTS in
2½-in. pots.....$4.00 per 100
3 " 8.00 "

EDWIN LONSDALE,

Money order office, Chestnut Hill (Sta. H.) Philadelphia, Pa.

Wyndmoor, Chestnut Hill, PHILA.

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,
42 W. 28th St., - NEW YORK CITY.

ACALYPHA SANDERI...

2¼-inch plants.....$12.50 per 100
3-inch plants.....$18.00 per 100

RAMBLER ROSES. Yellow, White and Pink, strong 2 year plants, $10.00 per 100

The Conard & Jones Co., West Grove, Pa.

Mention American Florist.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. **THE AMERICAN FLORIST.**

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At St. Louis.

The bowlers assembled on October 2 for the first time since they lost the Challenge Cup at Detroit but from now on they will meet each Monday evening. Following is the score of the first session:

Name	1st	2d	3d	Av.
J. W. Kunz	157	167	144	156
C. A. Kuehn	112	157	174	148
J. J. Beneke	144	137	154	145
C. C. Sanders	131	141	153	142
Robt. Tesson	107	155	159	140
Jno. Young	133	154	113	133

At New York.

The following are the scores made at the meetings for practice on October 2:

Name	1st	2d	3d	4th	5th	Av.
T. Roehrs	152	148	177			159
Burns	135	148	141	154	166	149
T. Lang	152	126	137	141	178	147
O'Mara	124	162	113	163	152	143
Burns, Jr.	106	173	148	130		139
Traendly	179	134	146	98		137
Chas. Schenck	125	116	128	128		127
Marshall	127	129	118	117		123
Jas. Withers	115	114	155	154	74	122

On Monday, October 9, at 3 p. m., the Flatbush contingent will come over to meet the above aggregation and get measured for a suit of deep mourning clothes.

At Philadelphia.

The bowlers are hitting things up lively and a match has been arranged, the first of the season, with an outside club, the Melrose, on their North Broad street alleys. Good scores are now the rule and 150 average or more is the mark it a man expects to be in the running. The committee is working on the winter contests and hopes to soon have the plan laid out for the boys.

The Gun Club had an important match with the Westchester club on their grounds at Wissanoming last Tuesday afternoon. The florists were confident but the Westchester boys proved to be in the best trim and won the match handily by twenty-four targets. There were twelve men on a side, the Westchester team hit 219 and missed eighty-one. The florists hit 195 and missed 105. K.

Detroit.

BRISK DEMAND UPON A SHORT SUPPLY.—GREAT SCARCITY OF STOCK.—ORDERS FOR BIG DECORATIONS.—THE CLUB MEETING.

Unusually cold weather has prevailed here the past ten days and the effect on the local supply of roses is very perceptible while inside-grown carnations are distressingly scarce. The plants outside which have supplied the demand with fairly good flowers for the past three weeks have succumbed to the severe frost, which destroyed outdoor flowers of all kinds; even candytuft, which defies the first frosts of the season, is unfit for use for even the cheapest work. The situation is made the more distracting because of the impetus that the cold snap seems to have given trade. There has been an unprecedented demand for Beauties while many funerals and store openings reach the limit of the resources of the principal retailers. The most notable event of the week was the semi-annual opening of our largest dry-goods store where about 6,000 carnations and roses, including several hundred Beauties, were used in the decorations by Schroeter. The first chrysanthemums of the season were shown at Breitmeyer's last week and found a ready sale; Lady Fitzwigram was the variety.

The feature of the club meeting Wednesday evening was the discussion of matter from the question box, which brought out the experience of the many members present. The committee appointed to secure a permanent home for the club reported progress, several eligible places being under consideration. Preliminary arrangements were made for an outing to take place soon.

Chas. Siebrecht, of New York, was a visitor this week. J. F. S.

St. Paul.

TRADE PROSPECTS BRIGHT.—MANY CARNATIONS BENCHED. — THE WANDERERS RETURN.—ELECTION OF THE STATE SOCIETY OF FLORISTS.—NOTES.

Trade is very good for the season and prospects are bright. Roses are the principal stock in the market with the supply hardly equal to the demand. A few carnations are being sent in but are of poor quality and short stemmed. Outside stock is about all gone.

Carnations are nearly all benched and from what I learn about town I think there are more planted than in several years past. We have had no severe frosts though several light ones have visited us. The nights are cool and firing is now a necessity, with coal twenty to twenty-five per cent higher this year than last.

Chris. Hansen, formerly with L. L. May Co., has rented the greenhouses on Dale street owned by H. W. Bunde and will devote them to growing carnations.

Ludwig Anderson, who left last spring to superintend the greenhouses and grounds of the State Public School at Owatonna, has returned and taken his old position with L. L. May & Co. Wm. Scott, who went to the Klondike last year, has also returned to the employ of L. L. May & Co.

W. G. Schucht, representing Ellis & Pollworth, of Milwaukee, is in town, displaying some nice sample palms and taking orders for them.

The Society of Minnesota Florists held its annual meeting at the West Hotel, Minneapolis, on Thursday evening, September 21. The following officers were elected for the ensuing year: President, E. Nagel; vice-president, J. Souden; secretary, A. S. Swanson; treasurer, Fred. Busch.

Mr. Mills, of the State Nursery Company, Butte, Mont., was a caller last week, enroute to Chicago.

S. D. Dysinger and family have returned from their outing in New York state. FELIX.

Pittsburg.

BUSINESS GROWING BETTER EVERY DAY.—A FINE NEW STORE — AFFAIRS WITH BECKERT.—MANY CHRYSANTHEMUMS AT ALLEGHENY PARK.

Business continues to improve and the condition of stock is satisfactory, except carnations, which are scarce. The outdoor stock has all been killed by the frost and out of town dealers are sending for price lists. Chrysanthemums are coming in very slowly; no colors excepting white can be had and many early varieties are very late this year. Roses are of better quality.

A. W. Smith opened his new store October 2. It is said that it is the finest store and contains more ground floor than any establishment west of New York.

Theo. F. Beckert, of Neville Island, is gradually getting into good shape. He is replenishing his chrysanthemum and carnation stock and will soon be able to send in plenty of good stock, as formerly.

The chrysanthemums at Allegheny Park are very promising this year. They will certainly have a grand showing, as there are about 7000 strong, healthy plants with plenty of foliage.

Max. L. Hess, of Wheeling, W. Va., was in town the first of last week. G. O.

COUNCIL BLUFFS, IA.—On September 27 J. F. Wilcox returned from his western trip, during which he learned much that was new to him about the florists of that region. The west is growing more rapidly than is generally supposed.

WESTERN CARNATIONS!

700 McGOWAN
100 SCOTT
100 DAYBREAK
50 IVORY
} $5.00 per 100.

STRONG, HEALTHY PLANTS.

J. N. KIDD, Florist, **St. Joseph, Mo.**

Finest Forcing Roses 2¼-in. Per 100 3½-in. Per 100

BRIDE $2.50 $4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. Cash with order.

Asparagus Sprengerii 2½-in. pots; Asparagus plumosus nanus 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

VIOLETS FIELD-GROWN.

Marie Louise, perfectly clean and healthy; good stock, $4.00 a 100; $35.00 a 1000. Cash with order. Sample, 10 cents.

R. KILBOURN, CLINTON, NEW YORK.

HALF TONES
ZINC ETCHINGS
WOOD CUTS
ELECTROTYPES

J. MANZ & CO.

105-207 Canal St., - - - CHICAGO.

HIGH GRADE WORK.

PROMPT SERVICE.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

NOTICE.

We wish to extend our THANKS to our many friends and patrons for their cordial support in placing their fall orders with us.

We now have the most complete stock of Florists' Supplies in the country and are prepared to fill any and all orders entrusted to our care.

A FEW OF OUR SPECIALTIES.

PLANT STANDS, PEDESTALS, POT COVERS,
BASKETS, IMMORTELLES, New Crop, New CAPE FLOWERS,
METAL DESIGNS, DOVES, GRASSES,
FANCY CORD, Fresh Stock MOSS, WREATHS and CROSSES,
PREPARED CYCAS LEAVES, Dull and Glazed, All Sizes, WHEAT SHEAVES, Unexcelled, Largest Manufacturers,
in fact, anything for the first-class florist. Catalogue for the asking (to the trade only).

M. Rice & Co., EXCLUSIVE MANUFACTURERS AND IMPORTERS,

.....918 Filbert St., PHILADELPHIA, PA.

Orchids!

A limited quantity left of freshly imported *Cattleya labiata*. *C. Speciosissima* and *C. Gaskelliana*. *C. Mendelii* expected shortly.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

BROWALLIA GIGANTEA.

Fine plants to grow on for your Xmas trade.
Rooted cuttings.....$2.00 per 100
Out of 2½-inch pots, bushy..... 4.00 "
Out of 3½-inch pots, bushy..... 6 00 "
Samples for 10 cts. in stamps.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATION PLANTS.

Fine, strong, field-grown.
600 FLORA HILL.....$4.00 per 100
250 BON TON..... 4.00 "

E. HAENTZE, Fond du Lac, Wis.

ONLY A FEW LEFT!

Good Carnation Plants NO CULLS.

1000 Emily Pierson, per 100,	$3.00;	1000,	$25.00	
1000 Albertini.....	"	3 50;	"	30.00
500 McGowan.....	"	3.00		
200 Helen Keller..	"	3 00		
300 mixed varieties	"	2.50		

W. C. BRYFOGLE, Bloomsburg, Pa.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

Primroses.

	Per 1000	Per 100
CHINESE, ready for 3-in. pots.....	$17.00	$1.75
OBCONICA Grand. " "	17.00	1.75
" " Rosea, "		1.75
FORBESII, " "		2.00
PANSY PLANTS.....	2.75	.50

☞CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.
GREENHOUSES AND ADDRESS
JOLIET, ILL.

Field-Grown Carnations!

FLORA HILL, DAYBREAK, SCOTT, PORTIA, CARTLEDGE, VICTOR.....

Extra Fine, at Low Prices.

J. J. STYER, Concordville, Pa.

CARNATIONS. FLORA HILL, DAYBREAK, SCOTT AND PORTIA, $5.00 per 100; $40.00 per 1000.
FERNS for Dishes, strong: 2 and 2½-inch, $3.00 per 100; $27.50 per 1000. Maranta Massangeana, 2½-inch, $5.00 per 100; $40.00 per 1000.
Asparagus Plumosus, $4.50 per 100; $40.00 per 1000.
Asparagus Sprengerii, 3-inch, $7.00 per 100.
Dracæna indivisa, strong, field-grown, $15 per 100.
Gloire de Lorraine Begonia, 2½-inch pots, $2.50 per doz.; 3-in. $3.50 doz. C. Merkel & Son, Mentor, O.

Everybody is more pleased if you say "saw your ad. in the American Florist" when writing.

12,000 ROSES

occupy our propagating houses and must be moved at once to make room for 50,000 VERBENA and PETUNIA CUTTINGS. In order to move this stock quick we will offer it at HALF VALUE for 30 days. Every plant guaranteed as fine as was ever knocked out of 3½ and 4-in. pots—4c.; $35.00 per 1000. The same, strong, 2½ and 3-in., 3c.; $25.00 per M. Meteors, Maids, Brides, Perles, Kaiserin, strong, 3-in., at same price. The same, strong 2½-in. 3c; $25.00 per 1000.
☞Cash. First come first served.
20,000 CARNATIONS, standard sorts, fine plants, $3.50 per 100.
SMILAX PLANTS, strong, ready to string up, at $1.00 per 100; fine cut strings, 6 to 8 ft. long, 15c each.

SOUTH SIDE FLORAL CO., Springfield, Ill.

10% OFF FOR CASH.

CARNATIONS FROM THE FIELD.

2500 FLORA HILL.....	1st size,	
1500 DAYBREAK.....	$45.00 per 1000;	
500 TRIUMPH.....	$5.00 per 100.	
1000 FLORA HILL.....	2nd size,	
500 DAYBREAK.....	1000, $25; 100, $3.50.	

ISAAC A. PASSMORE,
Route No. 4. WEST CHESTER, PA.

CARNATIONS!

I can supply you the best standards as well as novelties.

Write for price list.....

S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.
Mention American Florist.

CARNATION PLANTS.

Scott,	Helen Keller,	Tidal Wave,
Sweet Brier.	Storm King,	Kohinoor,
Outcast,	Victor,	Daybreak,
Meteor,	—$4.00 per 100.	

The above are all No. 1 plants and in good shape, no culls.

EVENDEN BROS., Williamsport, Pa.
Mention American Florist.

Aurora, Ill.

RAILROAD GREENHOUSES GETTING INTO SHAPE.—A NEW VENTURE FOR THE BURLINGTON.—A FINE RANGE OF GLASS.—GOSSIP OF PROSPERITY AT THE OLDER ESTABLISHMENTS.

The Burlington Route greenhouses here are settling down to their winter's work and there is now a fair cut of roses. The principal product will be roses, although some carnations and chrysanthemums are planted. The range of glass is quite extensive, there being seven houses, built on a triangular piece of ground, without partition walls. The largest house is 20x154 and the smallest 18x54. The glass is 12x22 and 12x16. It is the intention of the management to raise the material heretofore purchased of Bassett & Washburn for use in the dining cars running out of Chicago. The houses are in charge of A. Warimont, formerly in business at West Chicago, and George Serviss, who has been with the Batavia growers.

W. L. Smith is getting things in shipshape for winter. He had the best spring trade for a long time and business was fair all summer.

J. M. Smely, who has the finest range of glass in the city, devotes it to producing stock for his retail trade. Business for the past year was the best in the history of the establishment.

At Rees', across the street from Smely's, trade is also booming, more having been done this summer than for several years.

Tilton Bros. are pursuing their accustomed pace and both J. A. and Peter Freeman are enjoying an early opening of fall business. There is good stock in all their places.

OCONOMOWOC, WIS.—Mrs. H. C. Bucheler, who was recently critically ill with typhoid pneumonia, is now able to be about again although not fully recovered.

MARION, IND.—Gunnar Teilmann has opened a store down town in which to dispose of his product instead of shipping it to Chicago. During the summer he has rebuilt a propagating house and erected a large tank and windmill.

20,000 FIELD CARNATIONS

that must be sold: McGOWAN, PORTIA and SCOTT, fine healthy plants, $4.00 per 100; $35.00 per 1000.
5000 CALIFORNIA VIOLET clumps, $3.00 per 100.
5000 SPIRÆA ANTHONY WATERER, fine for Easter. Field plants, 5 cts.
GENISTA for Easter, 2½-inch, fine, 4 cts.

BENJ. CONNELL, Florist, West Grove, Pa.

DAYBREAK!

Extra fine field-grown plants, now ready for delivery—$6.00 per 100.....

JOHN McFARLAND,

NORTH EASTON, - - - MASS.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, ATCO, N. J.

FINE Field-Grown Carnation Plants

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Bon Ton and Scott. **$4 00 per hundred.**

Cash with order please.

VAN WERT GREENHOUSES, Van Wert, O.

115,000 FIELD-GROWN CARNATION PLANTS

Our plants are very large and stocky, perfectly healthy, free from dry leaves, etc.

	Per 100	Per 1000
WM. SCOTT	$4.00	$30.00
McGOWAN	4.00	30.00
PORTIA	4.00	35.00
FISHER	$4.00	$35.00
ELDORADO	4.00	35.00
ANNA WEBB	5.00	45.00

Our prices are very low and are for CASH only.

EDW. J. TAYLOR, Southport, Conn.

CARNATION PLANTS. STRONG FIELD GROWN.

	Per 100	Per 1000
EVELINA	$5.00	$40 00
McGOWAN	3.00	25.00
PINGREE	3.00	25.00
McBURNEY	5.00	40.00
TIDAL WAVE	3.00	25.00
ARGYLE	5.00	40.00
SCOTT	3.00	25.00
KOHINOOR	3.00	25.00
PORTIA	3.00	25.00

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS.,

51 Wabash Ave., CHICAGO.

FIELD-GROWN

Carnation Plants.

SCOTT	$5.00 per 100
DAYBREAK	5.00 "
BON TON	5.00 "

We would like a few good customers for our flowers. All the new varieties.

Steel Wire Plant Stakes.

The balance of our stock at reduced prices.....

H. F. LITTLEFIELD, Worcester, Mass.

30,000 FIELD-GROWN CARNATIONS

STRONG AND HEALTHY PLANTS.

New York, Frances Joost, $7.00 per 100.
Victor, Daybreak, Genesee, Freedom, $6.00 per 100; $50.00 per 1000.
Bon Ton, Wm. Scott, Ferd Mangold, Empress, McGowan, Alaska, $5.00 per 100; $45.00 per 1000.

Ask for samples at 100 price. Cash with Order.

S. J. REUTER, - Westerly, R. I.

Carnations FIELD GROWN

HEALTHY, GOOD STOCK.

EVANSTON, $8.00 per 100.

DAYBREAK, PORTIA, SCOTT, PINGREE, KOHINOOR, $3.00 per 100.

A. G. PRINCE & CO.,

76 & 78 Wabash Ave., CHICAGO, ILL.

CARNATION MRS. FISHER,

$4 per 100, $30 per 1000, first-class plants.

DOUBLE ENGLISH BUTTERCUP, always in bloom, Memorial, $12.00 per 100.

NORWAY SPRUCE, once transplanted, $1.00 per 100.

Geo. L. Mahoney & Co., SACO, MAINE.

Always mention the American Florist when you order stock.

CARNATIONS

Field-Grown Plants.

Until sold out we offer the following varieties; all strong, well-grown plants. An extra fine lot of Hector, Evelina and Joost. We must clear the field. Order quick.

	Per 100
HELEN KELLER	$5.00
ALBERTINI	5.00
PINGREE	6.00
McBURNEY	4.00
TRIUMPH	6.00
HECTOR	6.00
ARMAZINDY	4.00
PORTIA	4.00
STORM KING	5.00
WELLESLEY	5.00
MRS. F. JOOST	6.00
FIREFLY	4.00
ARGYLE	4.00
CERISE QUEEN	4.00
EMPRESS	5.00
WM. SCOTT	6.00
JOHN YOUNG	6.00
EVELINA	6.00
NEW YORK	5.00
DAZZLE	4.00

1000 rates 20 per cent discount. 500 plants at 1000 rates.

H. WEBER & SONS, Oakland, Md.

Surplus Stock of A No. 1

FLORA HILL CARNATIONS.
Field-grown, clean and healthy, at $5.00 per 100; $40.00 per 1000.

VICTOR, EMPRESS and BON TON, at same price.

McGOWAN, at $3 per 100; $25 per 1000.

Cash or satisfactory reference with order.

W. E. HALL, Clyde, Ohio.

FINE FIELD-GROWN

Carnation Plants

SCOTT, PINGREE, PORTIA, DAYBREAK, McGOWAN, MRS. FISHER, ELDORADO, TIDAL WAVE. } $3.00 per 100.

CASH WITH ORDER.

THE LAWRENCE GREENHOUSES, St. Marys, Ohio.

CARNATION PLANTS

Extra strong field-grown, free from disease.

ROSE QUEEN, pink	$4.00 per 100
PINGREE, best yellow	4.00 "
LIZZIE TONG, white lightly penciled carmine (new)	8.00 "
EMMA WOCHER, pink	3.00 "

H. TONG, Massassauga Garden, Erie, Pa.

CARNATION PLANTS.

Strong, healthy plants of the following varieties, viz:

McGowan, Flora Hill, Triumph (extra large), **New York, Daybreak, Victor, Scott, Cartledge and Bon Ton, $5 per 100; $40 per 1000.**

Satisfaction guaranteed. Cash with order.

CEO. R. CEICER, Nazareth, Pa.

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. **PRICE, $2.00.**

SURPLUS STOCK OF **Roses and Carnations,** strictly first-class in every respect and guaranteed to be good, healthy plants and free from disease, in the following varieties.....

ROSES: American Beauties, 3 and 4-in.; Brides, 3, 3½ and 4-in.; Maids, 3 and 4-in.; Meteors, 3-in.
CARNATIONS: Scott, Alaska, McGowan, Dana.

Write us your wants; we will quote you a price that will sell them, as we must have room for other stock.

LAKEVIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms. **Jamestown, N. Y.**

Auction

—BY—

N. F. McCarthy & Co.

—AT—

The Establishment of

D. L. TAYLOR,

MELROSE, MASS.

Oct. 13th, 1899,

AT 2 O'CLOCK.

FIVE GREENHOUSES
ONE BOILER
2000 FT. 4-IN. PIPE
3000 CARNATIONS
LOT OF VIOLETS
Other Plants, Pots, Etc.
OFFICE BUILDING
and Furniture.

N. F. McCarthy & Co.

Wholesale Florists and Auctioneers.
84 Hawley Street,
BOSTON, MASS.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.
Geo. Hancock & Son, Grand Haven, Mich.

Carnations...
FIELD-GROWN, AT STOCK.
Scott, Flora Hill, Portia, McGowan, Ivory and Pierson; also a few Harrison's White, Rose Queen, Goldfinch and Morello. Plants in two sizes: Medium, at $3.00 per 100; large, at $5.00 per 100.
CRABB & HUNTER, Grand Rapids, Mich.

FIELD-GROWN
CARNATIONS!

Strong plants, clean and ready for immediate planting.

	Per 100	Per 1000		Per 100	Per 1000
TRIUMPH	$5.00	$45.00	MAYOR PINGREE	$3.50	$30.00
FLORA HILL	5.00	45.00	EVELINA	3.50	30.00
ARGYLE	4.00	35.00	McGOWAN	3.50	30.00
ARMAZINDY	4.00	35.00	ALASKA	3.50	30.00

Wietor Bros., 51 Wabash Ave., **Chicago.**

When writing mention American Florist.

4 Acres Field-Grown Carnation Plants, 100,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease and packed light by our improved system of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINGREE	BUTTERCUP	$1.50 per dozen; $8.00 per 100.	
C. A. DANA	ARMAZINDY	STORM KING	FLORA HILL
CRIMSON SPORT	DAYBREAK	JUBILEE	METEOR
CAPTAIN KINC	ALASKA	ELDORADO	
	$1.25 per dozen.	$6.00 per 100.	
McGOWAN	L. L. LAMBORN	SWEETBRIER	IVORY
MRS. FISHER	BRIDESMAID	PORTIA	ABERTINI
WM. SCOTT	$1.00 per dozen.	$5.00 per 100.	

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety size, beauty of coloring or freedom of bloom by any others grown. Price 50 cts. per 100; $4.00 per 1000.

J. L. DILLON, BLOOMSBURG, PA.

When writing mention the American Florist

FIELD-GROWN
Carnations!

...SEPTEMBER DELIVERY AND LATER.

We have a very large stock, including

G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN

in good, healthy condition. Send for price list.

F. Dorner & Sons Co., La Fayette, Ind.

CARNATION PLANTS

Extra strong, bushy plants.

	Per 100	Per 1000
DAYBREAK	$4.00	$35.00
VICTOR	5.00	45.00

CASH WITH ORDER.

E. TOWILL, Roslyn P. O.,
Montgomery Co., HILLSIDE STATION, PA.

3000 FIELD GROWN CARNATIONS

Strong, bushy plants.

Flora Hill, L. McGowan, Daybreak, Scott, Rose Queen and Hinze's White. All in fine condition to plant, $4.00 per 100, or the lot of 3000 for $100.00, with 1000 smaller plants thrown in.

F. E. BLAKE, Marion, O.

It is good business policy to mention the American Florist when you write to an advertiser.

Carnation Plants

ALL SOLD BUT

3000 DAYBREAK
300 METEOR
400 SCOTT
300 TRIUMPH

These are all first size plants and clean. To close them out, will sell them at **$4.00 per 100, or $30.00 per 1000.**

W. A. WETTLIN, Hornellsville, N. Y.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
LOCK BOX 11, GRAND RAPIDS, MICH.

CARNATIONS now ready, Daybreak, Scott, McGowan Eldorado, Portia, Bridesmaid, Jahn's Scarlet T. Cartledge, A. Webb, C. A. Dana, Morello, Meteor, $4.00 per 100. CASH.
D. R. HERRON, Olean, N. Y.

Cleveland.

BUSINESS PICKING UP.—MATTERS AT THE CLUB.—ELECTION OF OFFICERS.—COE IS MAKING IMPROVEMENTS.

Business has reached a somewhat better general level and good flowers are fairly well disposed of, although there is quite a large percentage of second grade stock to be seen. Carnations show the effects of recent transplanting, although some of the earlier ones are now improving in quality. It is notable that in some cases where growers were rather too anxious to get their stock in early, they now have plants in much worse shape than those brought in somewhat later.

The committee appointed to secure quarters for the club for the ensuing year having been unable to locate anything that seemed better than our present rooms, it has been directed to lease them for another year. This puts matters in shape so that the bowlers can get down to business at the first meeting in October. There was a decidedly slim attendance at the last meeting, although officers were elected, resulting practically in the choice of the old officers.

A. M. Coe, of Coeridge, is rebuilding and slightly enlarging part of his establishment. The improvement consists of one house 18x50, with a lean-to six feet in width. A.

15,000

Latania Borbonica.

Fine plants of exceptional value, viz.:

	Per 100	Per 1000
2 character leaves, 12-15 inch	$15.00	$125.00
2-3 " " 4-in. pots, 15-18 in.	20.00	150.00
4-5 " " 5-in. pots, 18-20 in.	25 00	
5-6 " " 6-6 in. pots, 18-20 in.	40.00	

CALADIUMS....

Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...

The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.

12-15 inch.....$12.00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS.
350 ACRES IN NURSERY STOCK.

Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries, AUGUSTA, GA.

PALMS FOR STOREKEEPERS

Do you want nice low stocky plants, such that don't get yellow for you or your customers? We will send such stuff as we showed at the convention.

		Per Doz.	Per 100
Latania Borbonica.	3-in. pots	$1.50	$11.00
	4 "	3.00	22.00
	5 "	4.00	31.00
	5½ "	5.00	38.00
	6 "	9.00	88 00
	7 "		96.00
	8 "	22 00	175.00
Kentia Belmoreana or Forsteriana	5 "	9-12	72-98
	5½ "	12-15	96-120
	6 "	18-24	145-175
	7 "	30-48	250.00
Sword Ferns	4 "	1.25	9.00
	5 "	2.40	18 00

Bostoniensis, 9c. to $2.00 each.

Umbrella Plants, extra fine	4-in. pots	1.00	7.00
	5 "	1.75	13.00
Rubber Trees	5 "	5.50	43 00
	6 "	9.00	70.00
" " branched		$1.50-$3.00	apiece

Areca Lutescens, Cycas Revoluta, Pandanus Utilis and Veitchii, etc. We carry a clean, cool-grown stock of over 150,000; we sell for cash only; we allow inspection at express office; have hundreds of letters of thanks for prompt and excellent service. Order now and pay only freight.

We sell for cash only, BUT, allow, etc.

ALBERT FUCHS, Estab. 1884. Only western florist who took medal on Palms, World's Fair, 1893.
2059-73 N. Halsted St., CHICAGO.



BOSTON FERNS

THE true stock. Full and compact plants, not over-drawn. We can ship reasonable distances by freight. Order now for your Fall Sales.

Strong plants from	2-inch pots	
" " "	2½ "	
" " "	3 "	
" " "	4 "	
" " "	5 "	
" " "	6-in. pans.	Write for
Fine Specimen Plants	7 "	Prices.
" " "	8 "	
" " "	9 "	
" " "	10 "	
" " "	12 "	

Our large stock of PALMS, ARAUCARIAS, ETC., are also in the best possible condition. If you are in the market for Palms, write us for our Special Price List, now ready.

POINSETTIAS. Just the stock for Xmas flowering. Strong, stocky plants in 3-in. pots, per 100, $6.00; 4-in. pots, per 100, $10.

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.
Greenhouses: Western Springs, Ill.

We have a LARGE and FINE stock of

KENTIAS AND LATANIAS

in POPULAR SIZES. Also Small Ferns, Cocos, Etc. Send for list.

USE OUR IMPROVED CUT FLOWER BOX.

Sample mailed free with list of sizes and cuts.

ELLIS & POLLWORTH, : : Milwaukee, Wis.

CHINESE PRIMROSES.

Ready for 3's. Finest grown. Single and Double, named, $2.00 per 100; $17.00 per 1000; 250 at 1000 rate.

PRIMULA OBCONICA ROSEA. Clear pink; the finest of all the improved obconicas; strong, $2.00 per 100.

GIANT PANSY PLANTS. No finer mammoths ever offered; in choice mixture, $3.00 per 1000. Strictly cash prices. Extras added liberally to help pay expressage.

THE HOME OF PRIMROSES. **JOHN F. RUPP, SHIREMANSTOWN, PA.**

TRY SOMETHING NEW IN YOUR WINTER BLOOMING **ERICAS,** plants, all pot grown, set with bud, handled as easily as an azalea with similar treatment.

CASH PRICES FOR OCTOBER DELIVERY:

ERICA MELANTHERA	4-in.,	per 100,	$20.00;	per 1000,	$180.00
" PERSOLUTA ALBA	"	"	18.00;	"	150.00
" " ROSEA	"	"	18.00;	"	150.00
" REGERMINANS	"	"	18.00;	"	150.00
" CUPRESSIANA	"	"	18.00;	"	150.00

Larger sizes and other varieties at reasonable prices.

H. D. DARLINGTON, FLUSHING, LONG ISLAND, N. Y.

Hydrangeas

FOR FORCING.

Otaksa, Red Branched, Thos. Hogg,

4-6 CROWNS, $10.00 PER 100, 90 00 PER 1000.
2-3 " 7 00 " 60 00 "

These are magnificent strong plants and unusually good value for the prices asked. We promise satisfaction to the most critical. Order now while they can be shipped without danger of freezing.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

	Per 100
ASPARAGUS Sprengerii, 2½-in. pots	$6.00
" Tenuissimus, 2½-in. pots	4.00
CAREX VARIEGATA, 2½-in. pots	5.00
BEGONIA REX in variety, 5-in. pans	10.00
CYCLAMEN, finest strain, in 4 colors, 2½-inch pots	5.00
GREVILLEA ROBUSTA, 2½-in. pots	5.00
VIOLETS, extra strong field-grown clumps of Princess of Wales	8 00
California	5.00

All of the above plants are in fine condition and are sure to give satisfaction.

NATHAN SMITH & SON,
ADRIAN, MICH.

100,000 PLANTS
READY TO SHIP!

	Per 100	Per 1000
PANSY PLANTS, large plants in bud	$0.75	$5.00
PETUNIAS, Dreer's, 15 varieties mixed	2¼ in., 2.00	18.00
BEGONIAS, 15 choice varieties named	2¼ in., 2.00	18.00
IRESINES, red and yellow	" 2.00	18.00
COLEUS, 14 varieties named	" 2.00	15.00
VELVET PLANT	" 2.00	18.00
MAIDENHAIR FERN	2¼ in., 5.00	
ASPARAGUS PLUMOSUS	5 in., 15.00	
FEVERFEW Little Gem	2¼ in., 2.00	15.00
PRIMULAS, Chinese mixed	" 2.00	18.00
" Obconica	" 2.00	18.00
" Auricula	" 3.00	
" Japonica	" 2.00	18.00
GERANIUMS, named, our selection	" 2.00	
Choice mixed	" 1.75	12.50
PELARGONIUM The Queen	" 2.00	
Happy Thought	2½ in., 3.00	
ANTHERICUMS, 3 varieties	2¼ in., 2.00	15.00
CIGAR PLANT	" 2.00	
JERUSALEM CHERRY	6 in., 10.00	

....NEW PLANTS....

	Per doz.	Per 100
NEW YELLOW BABY PRIMROSE	2¼ in., $1.20	$10.00
NEW GERANIUM De Roo Mittiog	2½ in., 1.20	10.00
Double Snowdrop	" 1.20	10.00
LOBELIA Scarlet Bloom	" 1.20	10.00

Cash.

THE MORRIS FLORAL CO.
MORRIS, ILL.
When writing mention the American Florist.

...PRIMULAS...

From 2½-inch pots, ready for a shift into larger size.

$5.00 per 100. $40.00 per 1000.

We grow our own seed, keep each variety separate and guarantee an equal number of each color in every order sent out.

BEAR IN MIND we will have an extra fine lot of well-fruited

OTAHEITE ORANGE TREES,

ready for Christmas delivery.

Chas. Zeller & Son Flatbush, BROOKLYN, N. Y.
Cash with order from unknown parties.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

Hydrangea Otaksa. I have 100 Hydrangea Otaksa, field, suitable for 7 and 8-in. pots, for $3 per doz.
CHARLIE E. CLARK, Woodford, Me.

3 More Sensational Novelties

THE GEM FORGET-ME-NOT, 3 COLORS.



PINK, WHITE, BLUE.

The compact and erect growth makes this new variety particularly useful as winter-blooming pot plants, as may be seen from photo. It is undoubtedly the

BEST FORGET-ME-NOT FOR CUT FLOWERS.

and, like the Baby Primrose, is sure to become popular. It is almost a perpetual bloomer and will give more flowers than any other plant we know, is perfectly hardy and blooms finely in cold frames.

12 plants, in 3 colors, 75c., or your choice of color for $1.00, by mail. 100 plants, 3 colors, $5.00; express prepaid. Large clumps to divide, $10.00 per 100.

GENUINE EDELWEISS

From the Mountains of Switzerland.

We intend to advertise this extensively and a great demand may be expected for it. Everyone knows that this highly-prized flower has become so rare that the Swiss Government has now stopped its exportation. When cut it lasts for years.

We have the only stock in this country.

Extra fine plants, from 2½-inch pots, $8.00 per 100; $1.25 per 12, mailed.

FINER THAN BOSTON FERN! THE LACE FERN! Polystichum Proliferum.

A hardy Fern, grows well under bench, lasts one month when cut, fronds sold at $1.00 per doz. here. Young plants, 50c. per 12, $4.00 per 100; larger, $1.00 per 12, $8.00 per 100, mailed.

ASPARAGUS SPRENGERI

2½-in., fine, $4.00 per 100; 3½-in., $7.00 per 100; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

For Winter Blooming: New Acalypha Sanderi, $1.50; New Browallia Speciosa Major, $1.00; BABY PRIMROSE, 75c.; New Begonia Gracilis, $1.00; New Hibiscus Archeri, $1.00; Euphorbia Jacquiniflora, $1.25; Bougainvillea Sanderiana, $1.00; New Primula Obconica Hybrida, 75c.; New Astilbe Chinense, pink, very fragrant, $1.50; Nægelias, 75c.; Golden Cestrum, 75c.; HARDY BEGONIA, 75c.—all these per doz. mailed.

Cycas Revoluta (Sago Palm), **$8.00 per 100 lbs.**

A. Blanc & Co., Philadelphia, Pa.

YOU WANT THE BEST ROOTED CUTTINGS OF

GERANIUMS	$.75 per 100
HELIOTROPES	.60 "
AGERATUM Azure, a good one, Cope's Pet and Lady Isabel	.50 "
COLEUS, 12 standards	.50 "

Every cutting selected and every one guaranteed. Ready now.
F. R. THORNTON,
The Cottage Gardens, Macomb, Ill.

Azaleas, Bay Trees, Palms, Araucarias,

Stock enormous, quality the finest.
SANDER, Bruges, Belgium.
AGENT: **A. DIMMOCK,**
60 Vesey Street, - - - NEW YORK.

ASPARAGUS SPRENGERII

3-inch..... $ 6.00 per 100.
3½-inch..... 10.00 per 100.
Also larger plants at 25c, 30c and 50c each.

VICK & HILL CO., Rochester, N. Y.

ASPIDIUM TENSEMENSE,

Nice stock in 3½-in. pots.
DRACÆNA TERMINALIS, fine specimens.
BEGONIA GLOIRE DE LORRAINE.
WRITE FOR PRICES.
...William W. Edgar, WAVERLY, MASS.

FICUS ELASTICA BELGICA.

Fine perfect plants, 4 to 6-in. pots, at $2.50 to $12.00 per dozen.

CARNATIONS, McGowan, 4 to 8 leads, @ $4 per 100
CHINESE PRIMROSES, 3-in. pots, @ $4 per 100.

J. D. IMLAY, Zanesville, O.

DRACAENA INDIVISA CLUMPS

from open ground; fine stuff, ready for 6, 7 and 8-inch pots, 10c, 15c and 20c each.

SMILAX, fine 2-inch stock, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,
The Exotic Nurseries. DAYTON, OHIO.
CASH WITH ORDER.

☞ OUR DIRECTORY FOR 1899 WILL BE MAILED TO YOU ☜
☞ PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS. ☜

Rochester.

A GOOD SUMMER IN THE NURSERY TOWN.—FLOWERS NOW SCARCE.—MR. MORRIS GOES WITH BROWN BROS.—VARIOUS ITEMS.

Business was fully as good all summer as in former years and in the past two weeks a change for the better can be noticed, for good flowers are very scarce. The severe drought cut short the crop of outdoor blooms; asters and dahlias did but poorly and hardly any carnations were seen in the market during the summer; none are to be had now. The scarcity is not likely to be relieved until chrysanthemum time.

David Z. Morris, superintendent of Mt. Hope Cemetery, handed in his resignation on October 1, and will hereafter devote his time and energies to the nursery business, having entered the well known Brown Bros. Co. He will reside in Canada, where the firm has an important branch. J. W. Keller, formerly in the wholesale flower business, and lately bookkeeper and assistant superintendent at the cemetery, succeeded Mr. Morris.

Jacob Specht intends to plant 20,000 carnations if he can buy enough field-grown plants of the varieties most popular in this market. Salter Bros. will have more carnations under glass, at their Fairport plant, than any other grower in this vicinity. Their houses are filling up rapidly since the rains.

J. B. Keller Sons have nearly completed two violet houses. The large house, which was erected in place of two smaller ones, was finished some weeks ago and is filled with miscellaneous stock. These additions bring the total number of square feet of glass on the place to 20,000.

Geo. Crooker Co. are building a new house 20x75. Their business is increasing and they need more room for bedding plants. Cemetery trade is their specialty.

J. B. K.

ELLSWORTH, ME.—Miss Mary A. Clark has purchased the Dutton greenhouses and will carry on the business.

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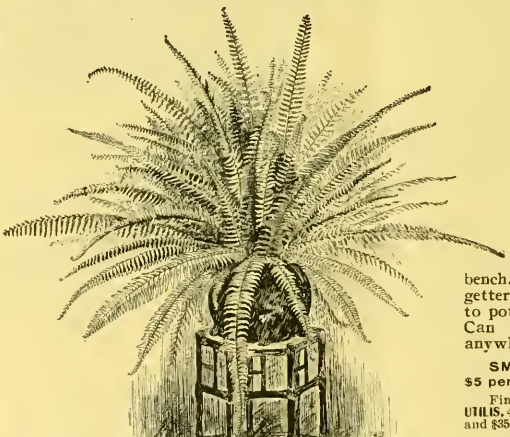
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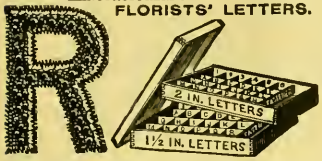
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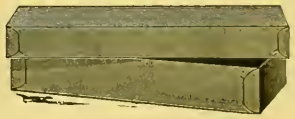
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In the Bay State.

A fall of 25° in temperature on the first night of October brought a frost which blackened everything outdoors. In the vicinity of Lynn a great many dollars worth of stock was caught for the frost came much earlier than usual.

At the Peabody Fair Mrs. J. N. Julyn, of Salem, made a fine show of palms, ficuses, begonias and other stock. J. M. Ward & Co., of Peabody, had a good show of cut flowers and Richards came over from Lynn with the prize-winning basket.

It seems very strange that the florists should not avail themselves of the county fairs as a medium for interesting the thousands who attend in floriculture.

Almost in a night cut worms played havoc in a house of chrysanthemums at E. B. Blaney's in Swampscott.

The Lynn Horticultural Society has just closed an unusually successful exhibition.

In a recent heavy rain a wall at the Walke houses at Salem was undermined and the boiler room flooded.

W. B. Newhall, at Lynn, has some fine violets, although many of the growers have poor stock, the plants making very little growth in the field. TAP.

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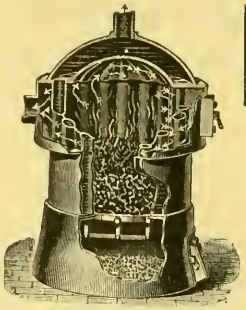
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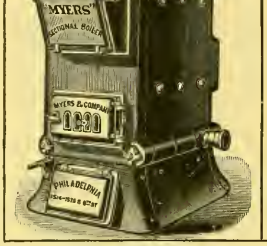
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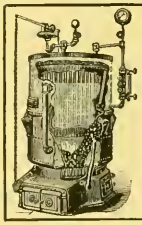
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 57 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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NAUGATUCK, CONN.—A. N. Squire has opened a flower store on Center bridge.

Azaleas for Christmas and Easter.

The experience of each succeeding year goes to prove that the plant-buying public has adopted the doctrine of expansion to a great extent, for each season's trade demands a greater aggregate number of plants than its predecessor, a greater variety of flowering plants especially, and a much higher grade in all lines. The demand for plants in bloom at these two great festivals of the Christian year is constantly increasing, and the Indian azaleas, being so readily procurable and such satisfactory bloomers, are distributed in great quantities.

It has not yet been clearly demonstrated that we can grow good azaleas as cheaply in this country as we can import them from Europe, and it is therefore likely that the majority of these plants will continue to be imported for many years to come. This imported stock arrives late in the fall as a general thing, the date of its arrival depending to some extent on the condition of the weather in Europe, it being necessary that the flower buds shall be well set and the growth ripened fairly well before the plants are started on their long journey.

Azaleas are good travelers if properly packed and there is seldom much loss, but the plants of the present year's importation are not the ones to force for Christmas, these unestablished plants being unfit for any such radical treatment. On the contrary the azaleas for early work should be plants that have been grown in this country for at least one year, well ripened outdoors in the full sun and brought into a cool house before frost.

The forcing operation is a very simple one and consists in gradually bringing them into warmth as they are required, a temperature of 60° to 65°, with full sunlight and plenty of water, both at the roots and overhead, starting the buds very rapidly. The time required varies somewhat with different varieties and also with the condition of the weather, but under favorable conditions three to four weeks usually suffices.

As soon as the flowers begin to open the plants should be removed to a cool and airy house, in order to give the flowers more endurance. If the opening of the blooms is too much retarded by this process it is a very easy matter to replace the plants in heat for a few days and thus bring them out as required. With the forcing of the flower buds it is not uncommon for many of the leaf b[illegible] also to make an early start and, as this takes the strength of the plant away from the flowers, it is good practice to pinch out all such growths as they appear.

As noted above, this forcing operation necessitates liberal watering and, from the fact that these azaleas are naturally cool house subjects, placing them in a comparatively high temperature increases their liability to attacks of thrips and red spiders. To prevent this trouble they should be syringed forcibly and thoroughly until the buds are ready to open.

For early forcing it is not necessary to have a long list of varieties, three or four kinds being quite enough for this purpose. The following are among the favorites: As an early white either Deutsche Perle or Flag of Truce will answer well, while among the long list of pink varieties there is no other equal as a seller to Mme. Vandercruyssen, it being also a good grower and remarkably free in flowering. For a red variety Simon Mardner is one of the best, though a less number of this color will be called for than of the two preceding ones. Vervaeniana is one of the best among those of mingled coloring, its mixture of pink and white being very attractive; the flowers also very large and of good substance.

At Easter a more extended list of varieties may be handled, there being but little forcing required to bring azaleas into bloom at that season, unless Easter occurs at a very early date. In addition to those already noted, Bernhard Andreas alba, a superb white, should be included, and Iveryana, the flowers of which are white, spotted and dashed with red. Mme. Iris Lefebore is a very showy variety with orange red flowers of good substance and very double. Bernhard Andreas is another good pink, though quite distinct from Mme. Vandercruyssen, and Daphne is also a good variety, the flowers of which are very large, chiefly white but showing occasional markings of red.

Referring once more to the subject of newly imported azaleas, it may be said that these should be potted up as soon as received, examining them carefully as to their condition of moisture at the roots and thoroughly soaking in a tub of water any that are dry, for when repotted in a dry condition it is very difficult to get them moistened through.

Where peat is plentiful it is well to use some of it in the potting soil for azaleas, but it is not absolutely essential to their welfare, a good loam answering very

well for this purpose. Azaleas should always be potted very firmly, and if protected slightly from the full sun for a week or two after their long sea voyage are less likely to lose much foliage by the operation.

Usually the newly imported plants are reasonably clear of insects, but a few thrips are often found upon them, and as a safeguard it is good practice to spread some tobacco stems among the plants or beneath the bench of the house in which they are placed, and if the tobacco stems have been run through a feed cutter they will be found much more convenient for spreading among the pots. Fumigating with tobacco may be resorted to, except while the plants are in flower.

W. H. TAPLIN.

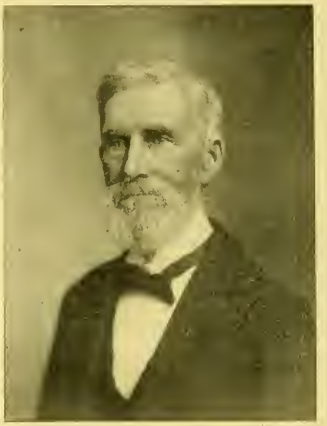
Watsonia Ardernei.

In a recent issue I noticed the illustration of this beautiful Cape bulb which had been successfully grown and exhibited by Kenneth Finlayson, gardener to Dr. C. G. Weld, of Brookline, Mass. There is undoubtedly a great future before this plant, especially a commercial one, it being the finest of all the white watsonias, producing long, gladiolus-like spikes four and five feet high with many branches, profusely covered with blossoms of the purest white, resembling a giant freesia. This plant is of easy culture and in groups or borders its flowers are very effective; in pots, three or four bulbs together, it is a great success, producing a wealth of foliage and bloom. Last year some remarkably well flowered plants were grown at Oakes Ames' garden in this way. For cutting and all kinds of decorative work it is unsurpassed. In Europe quite a number of bulbs are grown for market purposes, the flowers finding a ready sale at the principal cities and seaside resorts. It requires treatment similar to that given gladioli, and care should be taken as with other bulbs, in storing them through the winter.

The following interesting notes in regard to Watsonia Ardernei appeared in *The Garden*, London, in 1897:

"This plant was first introduced by Mr. James O'Brien in 1889, but it has only lately been obtainable in quantity. It is certain to become a favorite with growers of gladioli and such like bulbous plants, because, in addition to its beauty of flower, it has the merit of growing and blooming freely in the open border if treated in the same way as for gladioli. The history of the plant is a little involved; it also has received a considerable number of names, not at the hands of botanists, be it said.

"In 1889 Mr. N. E. Brown received and named specimens from Mr. J. O'Brien, who flowered it in his garden at Harrow in September, and who received a first-class certificate for it on September 21 under the name of W. iridifolia O'Brieni. In 1891 some bulbs of it were received at Kew from Port Elizabeth, and these flowered in October, their stems being four feet high, each with five or six branches, bearing many long-tubed, broad mouthed flowers, each two inches across and of the purest, glistening snow-white. They grew in a bed on a small lawn on the south side of the T range, and were a beautiful picture of pure white flowers. In the *Gardeners' Chronicle* for March 5, 1892, there appeared an illustration of a border of this watsonia in St. George's Park, Port Elizabeth, with an anonymous note to the effect that the plant might have been named Port Elizabeth Pearl or Pride of Algoa Bay, as it had been raised there and was a superb garden plant, growing and flowering splendidly. This was followed by a note from Professor Macowan, of Cape Town, correcting the statement as to the origin of the plant, and stating that it was 'first found by Mr. Robert Templeman, formerly assistant at the Cape Town Botanic Gardens, and within a day's journey from the city. The finder grew the corms among his stock for a year or two, and ultimately sent a few to the late Mr. John Wilson, then superintendent of St. George's Park at Port Elizabeth. When Lord Brassey was round at Algoa Bay in the Sunbeam he saw and greatly admired Wilson's little clump of watsonias, regretting that they were not for sale, but destined for stock. However, Wilson referred him to Templeman at Cape Town, from whom Lord Brassey bought a potful of the white watsonia for a sovereign.' So far



THE LATE F. W. LOUDON.
(See page 277 of last issue.)

we have been dealing with the Port Elizabeth portion of this plant. Now we come to that at Cape Town.

"In *The Garden* for March 25, 1893, there is an engraving from a photograph sent by Mr. Arderne representing what he there calls Watsonia alba, but which is identical with Templeman's plant named in compliment to Mr. O'Brien. Mr. Arderne writes: 'The original was brought by myself from the farm Roman River, in the Worcester valley, about eighty miles from Cape Town, and was found growing in a peaty, boggy marsh among thousands of the common pink variety. . . I have found the flowers considerably improved by cultivation in peat, leaf-mould, and light loam, and grown in a damp locality.' I wrote some notes an watsonias generally to accompany a plate of W. augusta published in *The Garden* for August 19, 1893, where I recorded the fact that this white watsonia had been sent to Kew as W. iridifolia alba and W. Meriana alba. Recently another name has been added, viz., W. Ardernei, and under this name plants were shown and certificated last year; under it, too, the newly imported corms are being offered. For garden purposes we may conveniently put aside all these Latin names and call the plant the white watsonia, whilst botanically it will be known as W. iridifolia O'Brieni. We must not let wrangling over names blind us to the merits of the plant, which is quite exceptional among cultivated watsonias in its sturdy habit, good behavior under artificial treatment, and the elegance and purity of its flowers."

A. DIMMOCK.

CARNATIONS.

A MATTER OF PRICES.

We must thank our hybridizers for the gradual elevation of the carnation to a standing shoulder to shoulder with the rose. To them we must look, also, for its continued advancement, for in addition to the improvement in the size of the bloom, the length and strength of the stem and perfection of calyx, the fact that each season brings out some meritorious novelty is an important factor in keeping the carnation before the buyers of cut flowers.

As growers we should heed the signs of the times and make an especial effort to meet the demand for high quality; in fact, we should go one better and increase the demand by improving the quality. There are some varieties which produce exceptionally fine flowers but do not pay with ordinary culture. Such varieties are the ones to grow for the man who is willing to work, for with these sorts and a market at proportionate figures he is above the competition of growers who care more for quantity than quality.

After securing quality in your flowers do not accept a low price for the cut. In the first place it has cost considerable to bring these flowers to perfection; possibly it has cost more than you are aware unless you have kept a careful record of the time and money expended on them. To sell them at a low price means not only no profit for you but it also means a backward step for the flower.

Just what is a fair price for strictly first-grade carnations would be a hard matter to decide, as it is largely influenced by the season and the market in which they are sold, but it is not difficult to determine that the price must at all times range between $4 and $8 per hundred. For a goodly portion of the season they should be up to the eight-dollar mark if the grower is to continue in business.

A little over a year ago I was sat upon by a number of my fellow florists for presuming to have ideas on the manner in which my product should be retailed. I shall not attempt to make any further suggestions on that line but I do think we are entitled to a fair price for our cut. If we grow carnations that retail at from $1.50 to $3 per dozen they should wholesale for half as much.

If a grower has studied his market and planted such varieties as can be sold for fancy sorts he should insist on their not being sold at wholesale for less than $4 per hundred and from that upward as the market demands them. If they cannot be sold at his figure he should have them returned with his empties. At the beginning there might be trouble in getting this arrangement to work smoothly but by the end of the season you will have had a fair return for your work and obtained a market for another season that you could never have had by the acceptance of a low price. But do not for a moment forget that to get first-class prices you must have first-class flowers.

ALBERT M. HERR.



CHICAGO FLORISTS' REPRESENTATIVE IN AN INDUSTRIAL PARADE.

Notes on Aquatics.

The summer has come to an abrupt close, with three or four nights of killing frosts, just in the height of the dahlia season and when cannas were in high glee. Now everything denotes autumn, the blackened foliage, the dead flowers and the tints of the maples, the green trees and the Virginian creeper, all point to the closing scenes of another season. But with all this, aquatic plants still linger and, as it were, defy the elements, just as in early summer they were fresh and bright while other flowers were whitening with the heat. Nelumbiums, of all the water garden, have suffered; their leaves are dead and sere. Not so the nymphæas, and notably the tender varieties; these have numerous buds and several expanded flowers, red, white, pink, blue and yellow, saved by the warmth of the water when the atmosphere cooled down to freezing point.

Here is one reason why aquatic plants are more popular every season. Their advantage over other plants in this respect is but one point in their favor, for there is a diversity of color found in no other class of decorative plants. Nor is this all; they are of much longer duration, their season of bloom extending from April or early May until hard freezing weather. If a tank under glass can be afforded they will continue in flower into the holidays.

When once planted out, having a fair amount of rich soil and the necessary water, they require little else all summer. A few dead leaves must be picked off but no hoeing, weeding, watering or mulching are among their modest wants. They afford more pleasurable returns for the amount of cash expended than do other plants. A 50-cent water lily will cover a pond several feet in diameter and to most people be more attractive than a much more expensive flower bed of the same dimensions.

But this is not the season to begin experiments; it is the time to consider the best methods of wintering the plants and there is a great diversity in the requirements of different varieties. All that are classed as hardy should be left undisturbed, but, where they are not in deep water, out of the reach of frost, some protection must be afforded.

The tender, day-blooming varieties differ from the night-blooming, both in growth and formation of tubers. Large plants of the former do not produce side-shoots or young plants, and the old plant or crown cannot be dried off save with Nymphæa gracilis. This variety may be left in the water until the foliage is cut off by frost, when the tubers may be readily found and stored away. Other plants must be kept growing all through the winter. The best method is to cut off all the large outer leaves and a large proportion of the roots by digging around the plant; then dig it up and place indoors in a tank or tub of water. Place in the light and in a temperature between 60° and 70°. Smaller plants may be placed in pots, and these put into tubs, two or three plants in each tub, according to the size.

This treatment will do for the night-blooming varieties, but where the plants are well advanced there will be numerous side shoots, and in some cases tubers around the main crown. The tubers may be stored away in pots or pans in sand, which should be kept wet at first, then moist, so that the tubers will be kept plump and sound. In cases where the tubers are not advanced to such a stage as just described they may be placed singly in pots just large enough to accommodate the roots. Put these in a shallow tank or tubs and keep them between 60° and 70° until the growth is finished and the tubers ripened, which will be when there is a cessation of new leaves, and those that were healthy die off naturally. When this takes place remove the pots from the water and gradually dry off. In this condition they may remain until early spring, when it will be time to start them afresh.

WM. TRICKER.

Helpful Reminders.

Benches of adiantums or large pots which have not been shifted should be carefully cleaned and all discolored or imperfect fronds carefully removed, after which give them a top dressing. This will require almost an inch of soil, almost clear leaf mould if obtainable.

A common mistake at this season, when plants are received from a distance, is to put them into pots somewhat larger than the balls of earth and fill the space lightly with potting soil. The ball is hard and compact and when water is given it runs through the new soil and does not penetrate the ball. This is particularly true of azaleas. It is well to set them in a tub of water to soak before potting and then protect them from the direct sun for a few days.

Do not refuse to keep plants over winter for your customers. Put this department on a paying basis and it will be a

benefit to your business. Set apart a portion of your cool house and another of your warm house for boarders. Provide special labels giving the date received and name of owner; make out a storage receipt describing each plant and price for boarding, retaining a duplicate; 40 cents a square foot for the space occupied is the usual price but where plants are heavy charge 50 cents per hundred pounds additional for cartage; this pays. You will soon have your customers educated to your rules and if they object to the price it is better than that they complain of your refusal to accommodate.

At this season more than any other stock is damaged by condensation of moisture upon the foliage. Give more heat and ventilation.

Do not be afraid of cutting your Asparagus Sprengerii; if the old strings are allowed to remain new ones will not form so rapidly or as numerously.

In bringing stevia inside do not place the plants close enough to touch each other. There is a wonderful difference between first and second class stevia; second class gets light on the top only, first class gets light down to the stems, which are of a dark color and strong.

If you have to put in any new heating pipes be sure they are not covered with tar; you will lose every leaf in your house if they are.

Amaryllises, gloxinias and the summer blooming tuberous begonias should now be drying off for their winter rest; turn the pots on the side on the ground if you can, away from the drip. C. B. W.

New York.

MONTHLY MEETING OF FLORISTS' CLUB.—PLANS FOR NEXT YEAR'S CONVENTION.—VISITORS FROM QUAKERTOWN SPEAK OF VARIOUS MATTERS.—CRAIG MAKES AN EXHIBIT.—BUSINESS GOOD ALL ALONG THE LINE.—CALLS ARE FOR GOOD STOCK.—CARNATIONS SCARCE.—A TEST OF ROSES. WESSELENBURG KILLED BY A FALL.—KESSLER'S BODY COMES TO LIGHT.—NOTES.

The monthly meeting of the Florists' Club, held last Monday evening was attended by about forty of the solid representatives of floriculture in this vicinity. The subject for discussion was the matter of preparation for the S. A. F. convention for 1900 and the extent to which the local organization would undertake to co-operate to make that event notable. Vice-President Troy occupied the chair. The trustees reported the result of a recent tour among the available halls in the city and it being evident, after a full discussion of the subject, that immediate action is necessary in order to secure any headquarters for the convention, it was unanimously voted to ask as many of the executive committee of the S. A. F. as can conveniently attend to join with the trustees of the club in a meeting on Monday, October 23, to decide upon a location. It was voted that the club should assume all the expenses of providing a headquarters for meeting and exhibition and all charges connected therewith, also that a horticultural exhibition on a large scale be held in connection with the trade exhibition under the management of the New York Florists' Club. Ways and means were freely discussed and a committee consisting of Messrs. May, O'Mara, Burns, Siebrecht and Weathered was appointed to call on Mr. Starin and learn his intentions regarding an excursion to Glen Island at convention time. There were present Messrs Robert Craig and Robert Kift, of Philadelphia, and both gentlemen were called upon for a few remarks. Mr. Craig spoke of the reviving interest in the matter of new plants and, congratulating New York on its prospective opportunities for 1900, predicted that at the convention would be seen probably every new plant that is worth seeing, from all over the country as well as many from foreign growers. Mr. Kift, true to his sporting instincts, devoted his remarks to the subject of bowling, stating that the Philadelphia club has still one vacant space left in its cupboard for an additional trophy and expressing the hope that New York would bring out a team worthy of their attention. He was assured by several enthusiasts that he would be accommodated in that respect. On the exhibition table Mr. Craig had vases of rose Maman Cochet and White Maman Cochet, outdoor-grown, and of the beautiful new pink carnation, Ethel Crocker, all of which were highly commended by the exhibition committee and duly admired by all, the carnation especially giving every promise of being a winner. Resolutions concerning the death of Alfred Henderson were presented by Mr. Weathered and adopted.

Business is good, so everybody asserts, although faith in its permanency seems to come slowly, so unusual is this condition at this early date. One effect of the boom in the plant trade will be to decrease the number of plant auction sales in this city for the coming season, and those who are waiting in hopes of seeing their opportunity in the big palm sales, such as have been going on in the past, are advised to secure their stock through the regular channels at once, as all indications point to a demand fully equal to the supply. The cut flower market is in a healthy condition as far as fine stock is concerned and prices on the best grades are, or should be, satisfactory. It will, however, take a much bigger boom than anything likely ever to take place to restore the day when the inferior grades in any line of cut flowers can profit by it. Never before has the sentiment for good flowers or none been so much in evidence, and the grower who has any reason to doubt his prospects in that respect for the coming winter, be he violet, rose or carnation grower, will show good judgment by quitting at once and turning his houses over to vegetables or "any other old thing."

The prevailing scarcity in the carnation market might have been avoided had a little more individual independence been cultivated by the carnation growers. Wherever one goes he finds the plants all cut back with a view to prevent blooming now and insure a crop at Christmas. This would have been all right had it not been done so universally. The result is that, cost of production considered, the price of carnations is to-day probably better than it will be at Christmas.

Grafted roses at Frank McMahon's greenhouses show a slight advantage over the own-root stock. Mr. McMahon has them both on benches and in beds and a good opportunity is thus furnished for a careful comparison of results. It would appear, however, that the grafted stock is a little more subject to mildew, which is an important point, especially this year, when mildew seems to be more prevalent than usual. A gratifying fact of the present season is that there appears to be much less thrips on the American Beauty roses than in any recent year. Among the various misfortunes that this rose is subject to, none is more to be dreaded than thrips. Two houses of Beauty at Little Silver in charge of Mr. Dan Dean are free, apparently, and not a speck of mildew is to be seen on the place. A house of Brides, now in third year, looks particularly promising. The soil of this locality is said to be of superior virtue, but Mr. Dean himself, with his sleeves rolled up, is doubtless a big factor in the good results obtained.

News has been received of the death of Jac. Wesselenburg, of Sassenheim, Holland, a bulb grower well known from his annual trips among the bulb handlers here. It appears that he was thrown from his bicycle while on a visit to his father at Hazerswonde and received fatal injuries.

The body of Fritz Kessler, who had been missing from his home at Woodside for nearly two weeks, was found in the East River, near Blackwell's Island, on Monday of last week. He was a very popular young man.

George Lorentz is among the absentees this week, being confined to his home with a sprained ankle.

Wm. Plumb has secured the contract for laying out a fine estate at Plattsburg.

H. C. Rath, of Flushing, has a white seedling carnation, Bertha Rath, which gives promise of a big future.

Miss Hopping, daughter of E. C. Hopping, Madison, was married on October 11 to Mr. Ely.

Visitors: H. G. Eyres, Albany, and J. M. Cohen, Boston.

Philadelphia.

PROSPEROUS SEASON IS ON IN THE CITY OF BROTHERLY LOVE.—DEMAND IS LEADING THE SUPPLY.—EARLY CHRYSANTHEMUMS AND A GROWER'S OPINION OF THEM.—ENTERPRISE OF THE WHOLESALE DEALERS—A CHRISTENING WITH FLOWERS.—NIEMAN RETURNS.—ETHEL CROCKER.—NOTES.

Business is all right. Of course it might be better, but it is quite up to expectations. Demand and supply are having a sort of race, as it were, with the former just a little ahead. The supply yacht, however, sails best with warm, balmy breezes, and the last day or two the weather is just to her liking and she is liable to push her bow in front before very long. Good Beauties are in particular demand and the best sell at $2 50 to $3 per dozen, with shorter lengths at $2, $1.50 and $1. Teas bring $3, $4, $5 and even $6 is asked for the extras. Carnations that run twenty-five good flowers to the bunch (it takes a Sunday school scholar to grade them like that) bring $2 per 100; in fact, they must be poor indeed if they do not bring $1.50. Violets are now beginning to look something like; singles bring from 20 cents to 25 cents per hundred, doubles, 60 cents to 75 cents. Lily of the valley is scarce at $3 to $4 and even $5 is asked for choice stock. There have been no chrysanthemums as yet, that is, practically none; a few here and there, Bergmann, Merry Monarch, Fitzwigram and Montmort, but it is not safe to take an order for any quantity. From $1.50 to $2 has been the price. Mr. Harris, in speaking of the early chrysanthemums, said there is no money in them; the very earliest are not in it for beauty and size with those that come in a week or ten days later and, unless the early ones come in evenly and are cut out before the competition of the next series begins, there is no sale for them and consequently no profit. He thinks chrysanthemums will sell well, as there are not so many grown

this season as last and there appears to be little or no disease to interfere with their proper development. The commission men report out of town demand lively and, while they have so far been able to meet it, they have had to hustle to get stock enough to keep this and their local trade satisfied.

Edward Reid now takes his customers and consignors into the "office," having partitioned off the front of his room and constructed this very necessary compartment. He put a new wagon on the street the past week. The old town may be slow but the wholesalers have a great time chasing one another about with their fiery steeds and fancy wagons. As many as four commission wagons were counted in front of a retail shop one morning this week, which, together with a couple of growers' carts, blocked the carriages quite effectually.

An interesting incident occurred at the launching of a vessel in this city last week. The fair christener was standing ready with a bottle of wine in one hand and a bunch of American Beauties in the other. As the vessel started she raised the bottle, but in her nervousness dropped it over the edge of the stand. She stood for a moment nonplussed, then quickly throwing her bouquet, which struck the sliding vessel, she said, amid the plaudits of the assemblage, "I christen thee Augusta."

Wm. Nieman has just returned from a three months' trip to his old home in Hamburg, Germany. He also made quite a tour among other European cities. He thinks the Germans are great florists and in the arrangement of flowers are very expert; their funeral wreaths, mostly made by women, were the most artistic he had ever seen and the cut flower stores, particularly in Hamburg, where there were a great many, were models, the window decorations being especially unique and attractive.

I neglected, in my report of the Florists' Club meeting, to speak of a vase of Ethel Crocker carnation exhibited by Robt. Craig & Son. It attracted a great deal of attention and all the carnation experts present seemed to be of one mind in declaring it to be the finest pink they had ever seen. It was quite the equal of any of the present favorites in their best mid-winter stage, which, when one considers the early date, October 3, speaks volumes in its favor.

C. H. Grigg, who has connected himself with H. H. Battles, is not to be confined solely to the management of the Century Flower Shop but will be associated with Mr. Battles in his various interests and give his best efforts to the development of the same.

Visitors in town: Mrs. E. A. Seidewitz, Baltimore; Z. D. Blakiston and George Brown, Washington; H. W. Breitenstein, Pittsburg.

K.

WESTFIELD, MASS.—Mrs. E. M. Mesick has opened a down-town store. Her business is growing nicely.

HARTFORD, CONN.—James Young has completed and planted three carnation houses each 20x75 and the stock is looking well.

QUINCY, MASS.—The large greenhouse of Chas. Francis Adams recently erected by Lord & Burnham Co., has been sold to A. A. Thorndike.

DES MOINES, IA.—F. W. Meyers, formerly with E. G. Hill & Co., Richmond, Ind., is now manager of the greenhouses of the Iowa Seed Co.

Chicago.

FESTIVAL HURTS LOCAL RETAILERS.—SOME GOOD DECORATIONS.—ROSES MORE PLENTIFUL.—CARNATIONS IN DEMAND.—CLUB MEETING.—FLORISTS SCORE A TRIUMPH.—MATTERS OF THE FALL SHOW.—LIBERTY ROSE IN DEMAND.—CHRYSANTHEMUMS FROM INDIANA.—A NEW CARNATION GROWER.—GALAX IS UP IN PRICE.—PERSONAL JOTTINGS HERE, THERE AND EVERYWHERE.

The great fall festival has passed into history and only occasionally is there a florist who felt regret at its departure. While the festivities were productive of several nice orders for decorations they had a depressing effect upon local trade in general and the retailers had little to do except join in the merrymaking. The rose cut increased perceptibly during the week and while the celebration was on prices would have taken a material decline had it not been for the shipping orders, which are strong. The quality of roses has improved with the increase in the cut and some excellent stock is now obtainable in all lines. The choicest teas still bring 4 cents, 5 cents and even 6 cents. Beauties maintain their popularity and give evidences of holding up to the supply all through the season. Carnations are not yet plentiful enough to meet all calls and 2 cents and 3 cents is readily obtainable for all good stock. Greens, too, are in favor and are making money for the growers.

The "Chicago florists" distinguished themselves on Tuesday night; their float in the great parade of the industries, which concluded the fall festival, was the finest in the long procession and was applauded all along the line of march. It was drawn by six fine horses and was a credit to the committee and the trade. Large quantities of southern greens, smilax, asparagus, palms and ferns were employed as a base for the cut stock, American Beauties, Brides, Bridesmaids and asters. The finishing touch was given by Flora beneath her canopy, surrounded by her six little maids. A flashlight photograph of the float is reproduced upon another page. It should be distinctly understood that the float represented the Chicago florists, not the Chicago Florists' Club. The success of the affair was largely due to the artistic skill and earnest application of Messrs. Samuelson, Winterson, Gormley and Kreitling. It was unfortunate that President McKinley did not have an opportunity to see this parade.

Flower show matters are still in statu quo. Naturally, W. N. Rudd will be the superintendent. Messrs. A. Herrington, Florham Farms, Madison, N. J.; Prof. John F. Cowell, Director Buffalo Botanic Garden, and Emil Buettner, Park Ridge, Ill., who served as judges of the 1898 show, have accepted invitations to act in the same capacity this year. The quarterly meeting of the Horticultural Society of Chicago will be held at the Sherman House this afternoon, when the matter of changing the day of meeting from Saturday to Tuesday will be acted upon.

The festival has been a good thing for Hauswirth, who had the decoration for the fifteen-dollar-a-plate dinner to President McKinley on Monday night, for the Commercial Club banquet and the dinner to Postmaster General Charles Emory Smith on Tuesday evening. Wittbold had the Marquette Club banquet on Saturday night. The orders for the numerous luncheons were divided among the other leading retailers.

Word has come to Bassett & Washburn from Robt. Scott & Son, Philadelphia, that orders for the Liberty rose are sufficient to exhaust the stock for March delivery and that further orders must be booked only for later shipment. It seems that the 80,000 plants which will, by agreement, be the limit of the season's propagation, will be easily placed.

Wittbold has sent out his new catalogue and price list this week and it proves to be the finest piece of printing so far turned out by a grower of decorative stock. It is full of good half tones and the cover is very attractive, the character of the stock being shown by the embossed representation of the "palms" of one's hands.

At the meeting of the Florist's Club October 6 the members voted that a special premium be offered for the coming chrysanthemum show, the amount to be determined at the next meeting. Messrs. Chas. Dickinson and Albert Budlong were proposed for membership.

E. C. Amling is Chicago consignee for the cut of the E. G. Hill establishment at Richmond, Indiana, and this week has received daily from 200 to 500 chrysanthemums, among them Yellow Fitzwigram, the first of the color in this market.

N. K. Welter has embarked in business as a carnation grower at South Evanston. He has six modern houses stocked with 12,000 field grown plants purchased of Wietor Bros., who have now sold out their stock of 150,000 field plants.

As an evidence that the galax trust is an accomplished fact it may be stated that the green product is one-third higher in price than a year ago. No bronze galax are yet in.

Benthey & Co. are selling quite a number of ferns for John Welsh. They are well-grown plants of Nephrolepis Bostoniensis, N. exaltata and N. exaltata compacta in 5-inch pots.

Messrs. Reinberg, Wietor and Everett returned from Remsen, Iowa, on Wednesday well laden with evidences of their skill with the gun.

Tuesday was the thirty-second anniversary of E. C. Amling's birth and was celebrated in appropriate fashion at his home at Oak Park.

Peter Reinberg will grow a considerable number of the Liberty rose next year, both own root and grafted stock.

Mrs. P. J. Hauswirth, whose illness was regarded as serious early in the week, is now convalescing.

Louis Wittbold and wife spent their festival holidays with Mrs. Wittbold's parents at Wheeling, Ill.

Kennicott Bros. Co. is handling lily of the valley from E. G. Asmus, West Hoboken, N. J. It is very good.

A. L. Randall is getting some good Beauties from Bowmanville growers.

Deamud is receiving some fine orchids, cattleyas and dendrobiums, regularly.

Albert Fuchs has been visiting his boys at school at Notre Dame.

Visitors: I. A. Oldham, Cambridge, O.; W. S. Hizer, Rockford, Ill.; Miss Kaber, of W. C. Kaber & Co., La Porte, Ind.; A. H. Dew, Albion, Mich.; Otto Schiveiger, Burlington, Ia.; John A. May, St. Paul, Minn; Louis Currie, Milwaukee, Wis.; Louis Bauscher, Freeport, Ill.. Charles Chadwick, Grand Rapids, Mich.; J. J. Soper and Mrs. Soper. Rockford, Ill.; S. A. Baur, Erie, Pa.; W. L. Morris, Des Moines, Ia.

BELLMORE, N. Y.—R. P. Jeffrey & Son were caught quite heavily by the early frosts.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate, $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

CHRYSANTHEMUMS are, in general, a little late this season.

COAL is costing growers from five to twenty-five per cent more than last year.

THE Japanese consider Lilium rubellum, with pink flowers, the coming lily for forcing.

SOME growers, it is claimed, are selling Nephrolepis exaltata for N. exaltata Bostoniensis.

WHOLESALE stocks of palms in the west are reported well depleted for so early in the season.

ONE of our facetious subscribers requests us to send him the names and addresses of the leading "green goods men."

REPLYING to "R," we beg to state that there is no difference, so far as we are aware, between Browallia speciosa major and B. gigantea.

More Free Distribution.

We are in receipt of a circular from the Agricultural Department, Washington, D. C., in which occurs the following paragraph: "The act of Congress making appropriations for the U. S. Department of Agriculture for the fiscal year 1899 provided for the expenditure of $20,000 for the collection, purchase, test, propagation and distribution of rare and valuable seeds, bulbs, trees, shrubs, vines, cuttings and plants from foreign countries for experiments with reference to their introduction into this country."

Was not this the original purpose of appropriations now made annually for the purchase and free distribution of common garden seeds? In any event, the new departure appears to follow the course of the older institution very rapidly. Among the "important results," of the investigations we note that the agent of the department has discovered the French everbearing strawberries, stachys and Jerusalem artichokes, plants which have already cost our live growers and merchants a considerable amount of investigation, experiment and capital. The government officials are behindhand with many of their alleged discoveries, and if we are to have an additional burden of free distribution, the original investigators among our enterprising men of business should be given due credit and recompense. Free distribution as applied to commercial commodities, however, should be plucked out by the roots. The government officials can learn more of value about the above mentioned plants, and many others, right at home than would be possible in the most extended junketing tour abroad.

Some Recent Fires.

Now that the firing season has begun each week will bring evidences of the field of great usefulness which should have been opened for the Florists' Mutual Fire Insurance Association.

NASHVILLE, TENN.—On October 4 fire destroyed the residence and two greenhouses of Jacob Geny, on the Hillsboro road. The loss is estimated at $2,200 and partially covered by insurance.

GENEVA, N. Y.—The greenhouse of Wm. Schofield, situated half way between this place and Waterloo, was destroyed by fire on the night of October 2.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

CHICAGO, Nov. 7-11.—Chrysanthemum show, Hort. Society of Chicago. Willis N. Rudd, Ass't Sec'y, Room 202, 185 Dearborn St.

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

BOSTON, MASS., Nov. 7-10.—Chrysanthemum show, Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society, Alex. Maclellan, Sec'y.

WORCESTER, MASS., Nov. 8-9.—Chrysanthemum show, Worcester County Hort. Society. A. A. Hixon, Sec'y, 18 Front St.

POUGHKEEPSIE, N.Y., Nov. 8 10.—Annual exhibition, Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill.

TARRYTOWN, N. Y., Nov. 10-11.—Chrysanthemum show, Tarrytown Hort. Society. Wm. McCord, Sec'y.

PROVIDENCE, R. I., Nov. 9-10.—Chrysanthemum show, Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St., Providence.

BUFFALO, N. Y., February 15-16, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

BROCKTON, MASS., Nov. 1-3.—Exhibition of Brockton Gardeners' and Florists' Club. Walter E. Baker, Sec'y, Box 220, Campello, Mass.

WACO, TEXAS, Nov. 15-17. Fourth Chrysanthemum show, Texas State Floral Society. Miss Bella Beer, Sec'y, Waco, Texas.

ST. LOUIS, Mo., Nov. 14-18.—Chrysanthemum show, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

PHILADELPHIA, PA., Nov. 7-11.—Annual exhibition, Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Broad street.

BALTIMORE, MD., Nov. 13-18.—Chrysanthemum show, Gardeners' Club. J. J. Perry, Sec'y, 36 W. Lexington street.

HARTFORD, CONN., Nov. 7-10.—Chrysanthemum show, Connecticut Hort. Society. C. H. Boykett, Sec'y, Hartford.

MADISON, N. J., Nov. 7-8.—Fall show Morris County Gardeners and Florists' Society, Chas. H. Atkins, Sec'y, Madison.

ELMIRA, N. Y., Nov. 14-15. Chrysanthemum show, Elmira Hort. Society. R. R. Stockdale, Sec'y.

Resolutions of New York Florists' Club.

At its meeting on Monday, October 9, the New York Florists' Club adopted the following resolutions upon the death of Alfred Henderson:

WHEREAS, in the inscrutable wisdom of Almighty God, the hand of death has been placed upon our fellow member, Mr. Alfred Henderson.

WHEREAS, his death removes one of the strongest figures among the friends of floriculture and horticulture, be it

Resolved, That the New York Florists' Club sustained in this lamentable event a loss of very great moment, and the horticultural world one whose constant devotion to its interest, tireless energy in its behalf and consistent practice of its teachings, made him a tower of strength to this club.

Resolved, That the members of this club feel a personal grief in his death, the loss of a valuable associate and the deprivation to the community of an exemplary citizen.

Resolved, That we tender to his stricken relatives the assurance of our profound sympathy with them in the sorrow they are called on to bear.

Resolved, That these resolutions be spread on the minutes and that a copy thereof be transmitted to the relatives of the deceased.

CHAS. B. WEATHERED,
S. C. NASH,
J. P. CLEARY,
Committee on resolutions.

Catalogues and Cut Flower Price Lists Received.

Meehan's Nurseries, Germantown, Philadelphia, Pa., trees and shrubs; J. B. Deamud, Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., cut flowers; Ellis & Pollworth, Milwaukee, Wis., cut flowers and flower pots; J. A. Schalck, New Orleans, La., seeds; Ketten Bros., Luxembourg, Grand Duchy, roses; W. Goodliffe, Worthing, England, plants; V. Lemoine & Sons, Nancy, France, plants; Soupert & Notting, Luxembourg, Grand Duchy, roses; E. C. Amling, Chicago, Ill.; cut flowers; Cincinnati Cut Flower Co., Cincinnati, Ohio, cut flowers.

Greenhouse Building.

New Albany, Ind.—F. Walker & Co., house 26x132.

Windsor Locks, Conn.—H. A. Pinney, one house.

Racine, Wis.—John Benstead & Son, house 18x78.

Los Angeles, Cal.—City Parks, two houses.

Tarrytown, N. Y.—Cooke & McCord, palm house.

Minneapolis, Minn.— Henry Barsch, carnation house 16x60.

Elizabeth, N. J.—K. E. Junl, house 18x100.

Hartford, Conn.—John Coombs, two violet houses 10x125.

New Rochelle, N. Y.—Siebrecht & Son, palm house 34x300.

Millbury, Mass.—J. R. Haywood, one house.

East Haddam, Conn.— Thompson Bros., house, 20x100.

Palmer, Mass.—C. A. Royce, one greenhouse.

Chester, Pa.—Shaw Bros., one commercial house. Wm. Kerr, one greenhouse.

Simsbury, Conn.—S. T. Welden, house, 27x30.

Brunswick, Me.—John McManus, house 20x140.

Boston.

SEASON ALREADY UNDER WAY.—BUSINESS BEGINS WITH A RUSH —CARNATIONS AND ROSES SOAR.—ALL OUTSIDE STOCK GONE. —BERRIED SHRUBS IN THE PARKS.—SOME VALUABLE SORTS.—ANNUAL MEETING OF THE HORTICULTURAL SOCIETY.—JOTTINGS OF INTEREST.

A tour of the leading retail establishments discloses everywhere indisputable evidence that the fashionable flower-buying season is already under way, much earlier than has been the case in recent years; farther, that customers are buying more liberally than has been their custom. Dinner parties, weddings, etc., are on in earnest and there is no disposition to shirk on the floral features of these affairs. The wholesalers' ice boxes present an appearance of emptiness that is quite impressive as compared with their condition not long since. The boom seems to have been contemporary with the sharp freeze of last week and may be, in a measure, due to it, for everything outside except the hardy asters, sweet alyssum, verbenas and a few other very

tough subjects was completely cleaned up in one night. Hydrangeas, lilies and asters, all useful for the florist with a "big order," came to an abrupt ending. The carnation had been waiting for this very opportunity and lost no time in soaring to two or three times its recent value, where it now stays and is likely to maintain itself without eflort until the chrysanthemum begins to make trouble for it. Roses, also, are up, but the prevailing prices cannot be called high. Violets are improving every day. The plant business seems rather behind the flower trade in getting on its feet and is confined principally to the returning of "boarders," but many inquiries indicate an interest that will, no doubt, develop into activity before long.

Any one doubting the decorative value of bright-fruiting shrubs in park and lawn plantations would do well to take a trip through the recently planted driveways of the Boston park system where these have been used in large numbers. Viburnums in several species, symphoricarpuses, barberries, cornuses, wild roses, pyruses and privets are loaded with showy berries in scarlet, red, black, white and blue, making a glorious picture in association with the bright autumn foliage. And it should be remembered, further, that many of the best of these berried subjects are also among the showiest of the flowering shrubs and so are good for two attractive displays annually.

The annual meeting of the Massachusetts Horticultural Society occurred on Saturday, October 7. The election of officers developed no contest and the entire list holds over from last year with but one or two minor changes. Again a large number of additions were made to the life membership list, many people of prominence being included in the list, Governor Walcott being one.

Wm. Hannan, the senior member of the firm of Wm. Hannan & Son, died at his home in Dorchester on October 6, aged 68 years.

The Boston & Maine Railroad Company has awarded prizes for the best flower gardens, to Arlington first, South Lancaster second, and four other stations each a third premium.

Lawrence Cotter has 600 Crimson Ramblers in training for Easter.

Kaiserin Augusta Victoria is a staple with Welch Bros.

Mrs. Jackson Dawson is improving slowly.

Louisville.

PROSPECTS GOOD FOR BRISK BUSINESS.—NOTES OF THE GROWERS —FLORISTS IN THE PARKS.—BUILDING OPERATIONS.—VACATIONERS AND JOTTINGS OF DOINGS IN THE KENTUCKY METROPOLIS.

All the dealers anticipate a good trade this fall for business in opening well, several store openings and social events having already produced large orders. Stock is improving, particularly roses, which now command $4 per hundred. The Anchorage Rose Company leads with Brides and Bridesmaids but they have found American Beauties unprofitable and no longer grow them. Louis Kirch is our only carnation specialist. He is now cutting some very fair blooms and F. C. Haupt takes his entire product.

John Thompson, formerly with Geo. Thompson & Sons, has been appointed superintendent of Jacob Park. E. J. Marrett, formerly president of the Society of Kentucky Florists, is a candidate for park commissioner.

Robert Kinkead, a park commissioner and member of the Society of Kentucky Florists, gave a watermelon feast not long since at which the florists had a jolly time.

George Schultz has a large rose house planted but not yet glazed. He has been waiting for a fall in the price of glass.

Mrs. C. W. Reimers has her new show house completed. Mr. Reimers grew the best asters in the vicinity this year.

Miss Josie Schultz has returned from Waukesha, Wis., but Miss Alice Miller remains there for a time.

Nanz & Neuner had the first chrysanthemums to be shown in Louisville this year.

Mrs. L. H. Comstock has been quite ill but is now convalescent.

Jacob Schultz has some fine specimens of Acalypha Sanderi in his show window.

F. Walker & Co. have ordered a new house 26x132 and heating apparatus.

Wood & Stubbs report a good sale for bulbs, both wholesale and retail.

H. G. W.

OBITUARY.

CHARLES W. SCHIRRMACHER.

This pioneer florist died October 6 after a short illness at his home at Milwaukee. He was born at Koenigsburg, Prussia, September 13, 1830 and came to Milwaukee with his wife in 1857. He at first found employment with Thomas Hislop, who had two small greenhouses and the first seed store in Milwaukee. Early in the Civil War Mr. Schirrmacher formed a partnership with Frank Whitnall, the firm establishing the place still known as "Whitnall's Greenhouses." At this time the only other florists in Milwaukee were Casper Thoman, F. Weisner, Chas. Schurze, Dr. Koss, Mr. Hartung, father-in-law of the late Jacob Freytag; Wm. Kitzerow and John Dunlap. Of this number only Kitzerow, Dunlap and Whitnall are living. Mr. Schirrmacher remained in business with Mr. Whitnall for about four years, when he associated himself with Dr. Koss, then located on the Port Washington road. Later on he took a strip of land north of the Koss place and has remained there ever since. The increase in realty values put him in comfortable circumstances and he reduced his business to small proportions. He was a good plantsman and for years quite prominent in the Milwaukee Gardeners' Association, which controlled what has always been popularly known as the German Market in Milwaukee He is survived by his wife and daughter, Mrs. Bertha Kartzke.

C. B. W.

SALAMANCA, N. Y.—W. L. Farquharson has moved from Allegheny to this place, and, with his brother, will engage in the florist business.

SIMSBURY, CONN.—S. T. Welden, who, by the way, is a member of the State Legislature, is building an addition 27x30 feet to his greenhouses.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By single florist; 10 years' experience. Address L, care Am. Florist.

SITUATION WANTED—Store or greenhouse, as designer and salesman. Best of references H S, care American Florist.

SITUATION WANTED—By young florist on commercial place; 6 years' experience. Good references. JOHN CHRISTENSEN, 388 6th Ave., New York.

SITUATION WANTED—Private place, by Englishman; twelve years' excellent character. WARREN, 172 Bouse Ave., Mt Washington, Pittsburg, Pa

SITUATION WANTED—By young man as assistant in greenhouses Experience equivalent to about four years. To begin about Jan 1st Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—As working foreman, capable of taking full charge; good grower and propagator of cut flowers and general stock: also designer and handy with tools; 20 years in business. German, 35 years old, married. Illinois or Indiana. $15 00 per week. Address A B, care Joseph Freund, 758 No. Halsted St., Chicago, Ill.

WANTED—A heater for house 10x30 ft. EDGAR EASTERDAY, Nokomis, Ill.

WANTED—Florist for general work Nov. 1. State experience. ALMA S. PATTERSON, Fort Scott, Kans.

WANTED—A good, young man for work around greenhouses. State wages. Address P A P C, care American Florist.

WANTED—A copy of issue No 4, October 1, 1885, volume I of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—A good man to take care of roses and carnations; must have experience in growing cut flowers. Apply to F. STIELOW, Niles Center, Ill.

WANTED—Experienced men needed to do general greenhouse work, also for filling mail plant orders. Only experienced men need apply. MCGREGOR BROS., Springfield, O.

WANTED—For general greenhouse work, an active and reliable young man. Wages $25 per month. A steady place for the right man. Address with references, S. M HARBISON, Danville Ky.

WANTED—A young man that has had some experience in greenhouse work; must be honest, industrious, sober and a good worker, and be willing to take care of horse, etc. Address FRED J. KING, Ottawa, Ill.

WANTED—A young man with experience in potting and general greenhouse work, to act as assistant foreman, on a good, well regulated cut flower growing plant. Address BUCKEYE care American Florist.

WANTED—Two strong young men who have had two or more years' experience in greenhouse work as florist. Salary $25 per month and board; will advance if satisfactory in spring. Please write all particulars so as not to delay. Addrss POEHLMANN BROS., Morton Grove, Ill.

WANTED—A partner with some capital to take half interest in my business; have now 7,000 ft. of glass. A good chance for a good man; must come well recommended and understand the business of growing roses, carnations, 'mums and bedding plants. Located in western part Massachusetts. A R, care American Florist.

WANTED—Store man to take charge of store doing the best trade in a western city of 20,000. Must be first-class decorator and cut flower worker. Wages $100 per month. In answering give name and address of every former employer. If not accustomed to a first-class trade, or if you get drunk or gamble, do not answer, for we shall investigate thoroughly. Address J A V, care American Florist, Chicago.

FOR SALE—Hot water boiler with about 400 ft. of 4-inch cast iron pipe. Address MRS J. W. KROPF, Collinsville, Ill.

FOR SALE—Good plant and cut flower business, 10,000 feet glass, good market garden of 10 acres; good live town of 12,000. Reason for selling, death of owner. MRS JULIA STEINHAUSER, Admr., Pittsburg, Kan.

GARDENER WANTED

To take charge of our greenhouses. Excellent opening for the right man.

W. N. RUDD, Mount Greenwood, Ill.

A RARE CHANCE. The proprietor of a well-established place of 15,000 square feet of glass in a town of 60,000, about 60 miles from Philadelphia, desires to retire and will sell his stock. ALL IN FINE SHAPE, and lease the place for a number of years to party who is reliable and who has small capital. This is a profitable retail business, of which further particulars may be had by addressing..... ROBERT CRAIG & SON, Market and 49th Sts., PHILADELPHIA.

Everybody is more pleased if you say "saw your ad. in the American Florist" when writing.

Cincinnati.

OUTSIDE STOCK GONE.—ALL STOCK SCARCE.—PRICES ADVANCING.— THE FIRST AUTUMN FLOWERS.—DEATH OF GEORGE MURPHY, SENIOR.

The cold weather of a week ago killed all outside stock and consequently a complete change has taken place in the cut flower market; nearly everything is scarce. Roses are now generally good and meet with a steady demand. Carnations have been very few, especially white. Prices are firm and advancing slightly. Some cattleyas are in market, selling at $6 per dozen. Baer and Jones were the first with violets this season. Chrysanthemums are once more with us and a vase of them may be seen in nearly every florists' window. Lady Fitzwigram and Marquis de Montmort were in last week and sold readily at 12 cents to 15 cents wholesale. George & Allen are sending in some choice lily of the valley.

George Murphy, Sr., father of Wm. and George Murphy, died October 3, in his seventy-third year, and was laid to rest at Spring Grove Cemetery. Quite a number of the craft attended the funeral.

H. SCHWARZ.

Minneapolis.

Trade is slowly but steadily improving and stock is following suit. Roses are becoming a little more plentiful, but carnations are still very scarce and nowhere near equal to the demand. The quality is not good at that, although the plants give promise of fine flowers a little later.

E. Nagel & Co. have moved their city store from 824 Nicollet avenue to 818 on the same thoroughfare, where they are domiciled in first-class style.

Henry Barsch is building a carnation house 16x60. L.

Wholesale Flower Markets

CINCINNATI, Oct. 12.

Roses, Beauty	10.00@25.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 5.00
" Perle	3.00@ 4.00
Carnations	1.50@ 2.00
Lily of the Valley	3.00@ 4.00
Chrysanthemums	10.00@15.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Oct. 12.

Roses, Beauty	8.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 5.00
" Perle	2.00@ 3.00
Carnations	1.00@ 2.00
Lily of the valley	4.00@ 5.00
Violets	.40@ .60
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Oct. 12.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4.00@ 5.00
" Perle	3.00@ 5.00
" Meteor	4.00@ 6.00
" Kaiserin	5.00@ 8.00
Carnations, fancy	1.50@ 2.00
Adiantum	1.00
Common ferns	.25
Smilax	12.50@15.00
Asparagus	50.00

PITTSBURG, Oct. 12.

Roses, Beauty	8.00@25.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	4.00@ 8.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Chrysanthemums	6.00@15.00
Smilax	15.00
Wild Smilax, per case 3.50@6.00	
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	.35
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c

VALLEY.

Beginning October 15th, the forcing of Lily of the Valley will be commenced at the Rosebank Nurseries, and shipping will begin three weeks later. From that time on Valley will constitute one of the special products of Rosebank and will be constantly on hand, both summer and winter.

It is the intention of the management to make the Rosebank Nurseries headquarters for this product, and to that end a special offer of three dollars per hundred has been made to the trade on a contract for a year's supply. This offer is now withdrawn, and a new price of $3.50 per hundred is made to hold throughout the year to regular customers.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

J. B. DEAMUD,
(Successor to ILLINOIS CUT FLOWER CO.)

Roses are now plentiful. Carnations remain scarce. Violets have appeared in quantity. We are quoting some very fine Orchids.

Cattleya labiata, $6.00 per doz. Dendrobium formosum, $3.00 per doz.

We quote as follows on other varieties of first-class stock:

	PER DOZ.		PER 100.	
AM. BEAUTIES, Fx. long	$3.50 to	$4.00	CARNATIONS	$2.00 to $2.50
" " 24 in.	2.50 to	3.00	VALLEY	5.00
" " 20 in		2.00	SMILAX	12.50 to 20.00
" " 15 in.		1.50	ADIANTUM	.50
" " short	1.00 to	1.25	ASPARAGUS	50.00
BRIDES, MAIDS...per 100,	$2.00 to	$4.00	VIOLETS, double	1.50
METEOR, KAISERIN "	3.00 to	4.00	" single	1.00
PERLES	2.00 to	4.00	FANCY FERNS	1.00 per M.

CHRYSANTHEMUMS (Bergmann), white.....**$2.50.**

Place your orders with us for what you may need.

J. B. DEAMUD, 51 Wabash Ave., CHICAGO.

PITTSBURG CUT FLOWER CO., Ltd.,
WHOLESALE FLORISTS,
Long Distance 'Phone 2157.
Consignments Solicited.
No. 705 Penn Ave.,
FLORISTS' SUPPLIES. WRITE FOR PRICE LIST. PITTSBURG, PA.

Your Advertisement
will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in
The Best Drummer. **The American Florist.**

Cincinnati.. Cut Flower Co.,
W. A. MANN.
FRANK W. BALL.
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

Catalogue Illustrations.
We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....
THE AMERICAN FLORIST CO.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.
P. O Box 103, MILWAUKEE, WIS.

SEEDSMEN if you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in the next year's edition of our directory. AMERICAN FLORIST CO., 324 Dearborn street, Chicago.

800,000 FEET OF GLASS.

REINBERG BROS.

Wholesale Growers of

CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

Wholesale Price List.

AMERICAN BEAUTY			
30-36-in. stem	per doz.,	$3.50 to	$4.00
24 "	"	2.50 to	3.00
20 "	"	2.50	
15 "	"	2.00	
12 "	"	1.50	
8 "	"	1.00	
METEOR	per 100,	4.00 to	5.00
BRIDESMAID	"	3.00 to	4.00
BRIDE	"	3.00 to	4.00
LA FRANCE	"	4.00 to	6.00
PERLE	"	3.00 to	4.00
CARNATIONS	"	2.00	

Quotations subject to change without notice. All other stock at lowest market prices.

WE NOW CLOSE AT 6:30 P. M. SUNDAYS AND HOLIDAYS AT NOON.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS.

FULL LINE OF ALL Florists' Supplies

Fall Bulbs Of All Kinds. Write for quotations on your wants now.

Lynch

WHOLESALE FLORIST.

19-21 E. RANDOLPH ST. CHICAGO

WE ARE NOW CUTTING NEW

Brides, Maids and Beauties....

GEO. A. KUHL, Pekin, Ill.

ROSES

G. Van Bochove & Bro., Growers,

.....KALAMAZOO, MICH.

Fresh A No. 1 Stock.

TRY US.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Wholesale Flower Markets

CHICAGO. Oct. 13.

Roses, Beauty,	extra long stems		3.00@4.00
" "	24 inch	"	2.50
" "	20 "	"	2.00
" "	15 "	"	1.50
" "	12 "	"	1.25
" "	8 "	"	1.00
" Bride			3.00@4.00
" Bridesmaid			3.00@4.00
" Perle			3.00@4.00
" Meteor			3.00@5.00
" Kaiserin			4.00@5.00
" La France			4.00@5.00
Carnations			2.00
Violets, single			.50@1.50
Lily of the Valley			4.00@5.00
Cattleyas		per dozen	5.00
Dendrobiums		"	3.00
Auratums			8.00@12.00
Harrisii			10.00@15.00
Chrysanthemums			20.00@25.00
Mignonette			1.00@2.00
Adiantum			.50@1.00
Common ferns			.15
Fancy Ferns			.20
Smilax			10.00@15.00
Asparagus			50.00

TEXAS SEED AND FLORAL CO.

Wholesale Florists,

DALLAS, TEXAS.

Consignments of choice Roses and Carnations solicited.....

We wish to make arrangements with a few first-class growers for regular consignments. Correspondence solicited.

Tell them where you saw the ad.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street. CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

WIETOR BROS.

SUCCESSORS TO ROGERS PARK FLORAL CO.

Wholesale Growers of CUT FLOWERS

51 WABASH AVENUE,

Headquarters For American Beauties. CHICAGO

Mention American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

COMMENCING OCTOBER 16th, WILL BE OPEN FROM 12:01 A. M. MONDAYS TO 10:00 P. M. SATURDAYS.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

GALAX LEAVES

AND LEUCOTHOE SPRAYS.

To Dealers Outside of N. Y. State:

Choice Galax.....$0.40 per M

Choice Leucothoe..... 2.00 "

Special prices to wholesale dealers. J. N. PRITCHARD, Elk Park, N. C.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Oct. 11.

Roses, Tea	2.00@ 3.00
" " extra	4.00@ 5.00
" Beauty, extra	15.00@30.00
" " firsts	10.00@15.00
" " seconds	6.00@10.00
Carnations	.75@ 1.50
" fancy	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	35.00@50.00
Smilax	15.00@20.00
Adiantum	.75@ 1.00

BOSTON, Oct. 11.

Roses, Beauty, select	15.00@35.00
" " ordinary	5.00@10.00
" Bride, Bridesmaid, Meteor	4.00@ 6.00
" Kaiserin	4.00@ 8.00
Carnations, ordinary	1.50@ 2.00
" fancy	3.00@ 4.00
Lily of the valley	2.00@ 4.00
Violets, single and double	.50@ 1.00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

Tell them where you saw the advt.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

EDWIN A. PARKER,

Wholesale Florist,

2408 Rosewood St., - PHILADELPHIA.

Consignments of Roses, Carnations and Violets solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME CROWN STOCK.

BOSTON FLORISTS' EXCHANGE....

HEADQUARTERS for choice Roses, Violets, Carnations and Chrysanthemums.

Consignments Solicited.....

22 Chapman Place, BOSTON, MASS.

J. M. COHEN, Prop. TELEPHONE 2385.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. Price list on application.
57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq.
39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists
NOW OPEN FOR BUSINESS AT
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

Always mention the.....
American Florist
when writing advertisers.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Oct. 11.

Roses, Beauty select	10.00@25.00
" ordinary	2.00@ 5.00
" Bridesmaid, Bride, Morgan	.50@ 4.00
" Kaiserin, Meteor	1.00@ 4.00
Carnations	.50@ 1.00
" fancy	1.00@ 2.00
Lily of the valley	2.50@ 4.00
Violets	.50@ 1.00
Chrysanthemums	10.00@35.00
Cattleyas	25.00@40.00
Smilax	5.00@ 8.00
Asparagus	25.00@35.00
" Sprengeri, per doz. bunches	1@1.50
Adiantum	.30@ .50

BUFFALO, Oct. 12.

Roses, Beauty	3.00@35.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1.25
" fancies	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1.00
Tuberoses	3.00@ 6.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00
Gladiolus	1.00@ 3.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

GALAX LEAVES.
Brilliant Bronze and Green.
$1.25 per 1000. Price in quantity on application.
HARRY A. BUNYARD,
42 West 28th Street. : NEW YORK CITY.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO,
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

Galax Leaves
For Summer Use in Cold Storage.....
Write the INTRODUCER,
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. ...NEW YORK.
Cut Flowers at Wholesale.

All ready for business in our enlarged, attractive, new location. Can accommodate a few more consignors of desirable stock.

OFFERING AT PRESENT...
BEAUTIES, BRIDESMAIDS, BRIDES, METEORS, CARNOTS, KAISERINS, CARNATIONS, VALLEY, LILIES, ASTERS, GLADIOLI, ETC.

LATER ON....
VIOLETS A SPECIALTY.

KEEP POSTED AS TO NOVELTIES IN MARKET BY ATTENTION TO THIS SPACE WEEKLY.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT McCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

NEW YORK: S. Y. Haines, of Minneapolis, Minn., was a visitor last week.

VISITED CHICAGO: W. S. Lyons, of Los Angeles, Cal., enroute to New York.

ON the order of the government 875 cases of damaged longiflorums were sold at auction in New York last Monday, and they brought a total of $27.50.

GERMINATION is not an indication of quality. On the contrary, inferior strains of seeds frequently give the best results in the sprouting chamber.

BOSTON, MASS.—About one hundred of the delegates to the recent congress of farmers visited the Arlington, Mass., establishment of W. W. Rawson & Co.

THE Livingstons, of Columbus, O., are having quite an extensive European demand for their new field corn, Early Golden Surprise, attributable for the most part to its earliness.

OWING to the early frost, which came three weeks sooner than usual, there will be but little American grown thunbergia seed in the market this year, and dealers will have to look to Europe for new supplies.

THE tomato seed crop in Michigan is a good one on most of the standard sorts. If the early frost had not occurred there would have been surpluses on a number of sorts; as it is there are hardly any surpluses above contract orders.

FROM an Erfurt letter, dated September 27, we gather that the bean and mangel wurzel crop is badly damaged by continuous rains since September 5, and that there is great danger of an entire loss of the aster seed crop. Mangel wurzel will be fifty per cent higher than last year. The sweet pea crop was extraordinarily good there, while in Quedlinburg it is reported to be poor.

Denver.

A STORY OF PROSPERITY.—GOSSIP OF THE FESTIVAL OF MOUNTAIN AND PLAIN.—JOTTINGS OF THE FLORICULTURAL FEATURES OF THE CARNIVAL.—OTHER NOTES.

Taken all in all the summer trade has been better this year than for several seasons past. When the soldier boys came home the city fairly blossomed; every soldier had a wreath on his hat and a bouquet in his hand. On this occasion the depot and capitol were decorated by Daniels & Fisher and it was well done. During the carnival Beauties were much in demand, some of the prize turnouts being decorated with the natural flower. The decorations for the carnival ball were very elaborate.

Wilmore's dahlia farm has been one of the sights of Denver for the last two months. His dahlia display at the carnival show was simply marvelous. The carnival flower show, by the way, was something new but there was little competition except in the mantle decoration, in which Mrs. Mauf won the first prize. The Park Floral Company took the prize for the largest display. The show was advertised so little that comparatively few people saw it but the prizes went just the same and they were worth the striving. The horticultural part of the carnival was under the direction of Mrs. Martha A. Shute and occupied a street booth a block long. To the easterner who does not realize the possibilities of Colorado soil and climate this part of the show was indeed a marvel. Apples that weighed one and three-fourths of a pound, great yellow peaches and white peaches, red grapes, green grapes and black grapes, plums in endless variety, with nectarines and pears that would almost make a dead man hungry.

The landscape gardening at City Park has been fine and Mr. Davis, who had it in charge, has been highly complimented. Mr. Chamberlain, another of Denver's landscape gardeners, reports more work this year than in any previous season.

Florists are all praying for frost to kill the outside stuff and bring the people home from the hills. There is little talk of a chrysanthemum show but the florists are all beginning to cut some good stock. Not only that, but they are all getting shaped up for bowling and not a little interest is manifest.

The last day of the carnival the Theiss Floral Company's window looked as if a cyclone had struck it. All that was left was a small dish of violets and a solitary vase of Beauties.

The decoration at the church wedding of Miss Gertrude Mauf, of the Capitol Hill greenhouses, were as fine as were ever seen in Denver.

Visitors in town: J. F. Wilcox, Council Bluffs; Paul Berkowitz, Philadelphia; Mr. Chapin, Lincoln, Neb. E. J. M.

YOU WILL WANT THEM IN CHRYSANTHEMUM TIME.

They're "From Japan"



TOKIO, TYSON, RURI and GOLD, SEGGII, AWARII, TOKANABII, AWAGII,

beautiful florists' vases. The finest wares, decorated in many colors, and the material is as tough as the names. Many of the patterns now offered for the first time in this country.

Colored Photographs

showing over sixty different styles mailed on request, for your examination.

N. F. McCarthy & Co.

JOBBERS IN ALL FLORISTS' GOODS,

84 Hawley Street,

BOSTON, MASS.

FALL BOOK FOR FLORISTS READY. Please ask for it.

* * * * *

FREESIAS

	Per 1000
FIRST QUALITY	$5.50
GOOD BLOOMING SIZE	3.50

CALLAS

	Per 100
FIRST SIZE. 1¼ to 1½-inch	$5.00
SELECT. 1½ to 2-inch	7.00

Lilium Harrisii

	Per 100	Per 1000
5 to 7 INCH	$4.50	$40.00

Chinese Sacred Lilies

The best selling bulb for retail counter trade. $4.50 per 100. Write for prices per 1000.

ONLY WESTERN AGENTS FOR ASMUS' "LIBERTY ROSE."

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St.

CHICAGO: 84-86 Randolph St.

GENUINE DANISH SEED

only direct from

R. WIBOLTT, seed grower

Nakskov, Denmark.

Pricelist on application



Mr Ball Head Miss Snowball

both of Denmark.

Awarded the largest Silver Medal in St. Petersburg in May, 1889.

LILY OF THE VALLEY PIPS.

PALM Seed. FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5.00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

CALLA ÆTHIOPICA

Fine, well-cured bulbs; from our own farm in California.

	circumference.	per 100	per 100
EXTRA SELECTED,	5 to 6 in	$6.50	$55.00
FIRST-CLASS,	4 to 5 in	4 50	35.00
SECOND SIZE,	3 to 4 in	2.50	15.00

300 of one size at 1000 rates.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

TELEGRAPH CODE OF THE AM. SEED TRADE ASSOCIATION

$2.00,

in either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

40,000 'MUMS.

Between Oct. 10 and Christmas we shall market the entire cut of one of the largest growers about Chicago, 40,000 first-class flowers, A1 in every respect.

We are exclusively **Rose Growers** and can supply the best qualities, including American Beauty, at all times.

We are also in a position to fill orders for the most popular varieties of **Carnations.**

All orders shipped at market prices within two hours of receipt.

..THE..
VARIETIES.

PINK.
Glory of Pacific,
Maud Dean,
Mrs. E. G. Hill.

YELLOW.
Yellow Queen,
Major Bonnaffon,
Golden Wedding.

WHITE.
Fee du Champsaur,
Mrs. Jerome Jones,
Frank Hardy,
W. H. Chadwick,
Wanamaker,
Mayflower,
Ivory.

J. A. Budlong, 37=39 Randolph St., CHICAGO.

ESTABLISHED 1802

THORBURN'S SEEDS

Dutch Bulbs
AND
LILY OF THE VALLEY PIPS
for **Forcing and Outdoor** planting.

Florists and Dealers are invited to send for Trade List now ready.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK



VON SION: SPECIAL OFFER true Dutch stock, double trumpet, extra large bulbs, sound, well ripened and first-class in all respects; a late arriving shipment makes necessary a r duction in price to move them quickly—$16.00 per 1000 (well worth $18.00); by the 100, $1.75. Alba plena, $1.00 per 100; Incomparabilis plenus, 85c. per 100; Orange Phœnix, $1 65 per 100; **Chinese Narcissus,** genuine Chinese grown, per bskt. of 30, $1.50; **Paper White Grandiflora,** $1.00 per 100: Poeticus ornatus, $1.00 per 100; Trumpet major and Princeps, $1.00 per 100. A fine selection of **Tulips** named and mixed, single and double, the best forcing and bedding varieties at low rates. Write for special offer if interested. Also a large and varied stock of **Hyacinths,** mixed and named; the bulbs of these are small this year on account of the unfavorable season but they are well cured and full age, so that flowering will be O. K. **Crocus, Lilies,** English and Spanish **Iris** and general assortment of Bulbs for fall planting.

Send me a list of your wants. I will quote special figures.
No trouble to answer inquiries.

George C. Watson, Seedsman and Bulb Importer, **Philadelphia.**

Cable Address, "HORTUS," Phile. 'Phone, 355-26 D. OFFICE AND WAREHOUSE, Juniper and Walnut Sts.

CINERARIA
Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.

CYCLAMEN
Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.

PRIMULA
Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.

PANSY
Rolker's Giant, $5.00 oz.; ½ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 32 Dey St., New York.

Perry Watson & Co.
CALIFORNIAN SEED HOUSE
—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	
etc.	etc.	etc.

ALL CALIFORNIA GROWN. WHOLESALE ONLY.
SACRAMENTO CALIFORNIA

KENTIA SEED. Est. 1878.
Belmoreana and Forsteriana.
Guaranteed fresh 1899 crop—no old 1898 left over seed. Australian climate ripens seed by July-August. 100 seeds *delivered*, 60 cts.; 1000, $4.25; 10,000, $40. Sample dozen sent on receipt of 10 cts.
H. H. BERGER & CO.,
47 Barclay St., - - NEW YORK.

The American Florist Company's
DIRECTORY
contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. PRICE, $2.00.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE San Jose scale is not dead; it will still bear watching.

THERE is no agreement as to whether one year or two year apple trees are preferable for planting.

AMONG the nurseries of the south the growing season was good and all stock is heavier in caliper than usual.

THE peach crop brought excellent prices this year and there can be no doubt that plantings will be heavy for a time.

EDWARD MORRIS, formerly representing the Brown Bros. Co. in Chicago, has been transferred to the Welland, Ont., branch.

AT the recent New York State Fair at Syracuse 5,935 plates of fruit were exhibited. Ellwanger & Barry had the leading nursery display, 573 plates.

PROF. J. L. BUDD speaks very highly of the Silken Leaf apple, one of his importations from Russia. It takes the place of Maiden's Blush and is hardy everywhere.

It is reported that 1,000 nurserymen, seedsmen and fruit growers in Germany have petitioned their government for a protective tariff against American horticultural products.

G. B. BRACKETT, Department of Agriculture, Washington, D. C., is receiving very many photographs illustrating nursery processes for exhibition at the Paris Exposition.

THE American Pomological Society's revised catalogue of fruits recommended for nineteen bounded districts in North America has been published by the United States Department of Agriculture.

IT is stated that in Mason county, Michigan, 100,000 peach trees believed to have been killed by the cold of last winter were needlessly cut out in the spring, for those remaining bore a fair crop.

T. V. MUNSON, Denison, Texas, presented a novel plan for a stable nomenclature at the meeting of the American Pomological Society. His idea is to have the Secretary of Agriculture publish an authoritative list of fruit names to which catalogues must conform under penalty of exclusion from the mails.

Allentown, Pa.

While country folks are sure to gather around an exceptionally well grown pumpkin, or gaze admiringly at a fattened pig at a county fair, there is another class of visitors to whom a flower and plant display is the chief attraction. The Lehigh county fair has, in this respect, proved a marked success owing to the efforts of J. F. Horn. His display of plants and cut flowers fairly captured the crowd, while, in his turn, Mr. Horn captured all the premiums. There is no gainsaying the fact that an attractive flower and plant show at a county fair is a sure and quick way of reaching the plain people.

A call on Mr. Horn, at Rittersville, where his greenhouses are located, showed everything in fine condition, both roses and carnations doing exceptionally well. I noticed many improvements about the place, an additional violet pit 20x50, a new water tank and a fine dwelling house, now nearing completion.

HOMO.

St. Louis.

FOLLOWING ARE THE PREMIUMS AWARDED AT THE FAIR THE FIRST WEEK IN OCTOBER.

Best and largest collection of greenhouse and hot-house plants, Wm. Schray, first; C. Young & Sons, second.

Best pair of hanging baskets, Wm. Schray, first; C. Young & Sons, second.

Best collection of Rex begonias, C. Young & Sons, first; Wm. Schray, second.

Best collection of geraniums, C. Young & Sons, first.

Best collection of carnations, Wm. Schray, first.

Best collection of palms, Wm. Schray, first; C. Young & Sons, second.

Best specimen plant of any kind, Wm. Schray, first; C. Young & Sons, second.

Best collection of ferns, Wm. Schray, first; C. Young & Sons, second.

Best collection of foliage plants, Wm. Schray, first; C. Young & Sons, second.

Best twelve roses in bloom, Wm. Schray, first; C. Young & Sons, second.

Best collection of twenty-five blooming plants, C. Young & Sons, first; Wm. Schray, second and third.

Floral design, two pieces, one funeral and one festival emblem, C. Young & Sons, first; Ellison & Tesson, second.

Basket of cut flowers, Ellison & Tesson, first; C. Young & Sons, second.

Best display of cut flowers, Wm. Schray, first; C. Young & Sons, second.

Best display of cut roses, Ellison & Tesson, first; C. Young & Sons, second.

Best table decoration, Ellison & Tesson, first; C. Young & Sons, second.

Best pair of parlor bouquets, C. Young & Sons, first.

Best collection of cut carnations, Ellison & Tesson, first.

Best ladies bouquet, C. Young & Sons, first; Ellison & Tesson, second. S. E.

TAMAROA, ILL.—No rain worth speaking of has fallen in this section since July 4, and the soil is very dry. W. H. Arendt is digging over 100,000 gladiolus bulbs, and 100,000 oxalis, besides cannas, and planting large quantities of jonquils, pæonies and narcissi for next season, shipping cut blooms to St. Louis, Chicago and Milwaukee. Times are fairly good and the outlook encouraging.

ALPINE AND Herbaceous Plants.

Stansfield Bros. wish to call the attention of their American patrons to their large and extensive stock of **Choice Alpines, Herbaceous and Old-Fashioned Garden Perennials.** *Catalogues on application.*

100 Alpines 40s. 100 Herbaceous Plants 40s, free on boats Liverpool.

STANSFIELD BROTHERS,
SOUTHPORT, ENGLAND.

PANSIES Plants of the famous Diamond Strain of large-flowered Pansies. Best for florists' use; greatest variety of rich and rare colors, over 50 distinct sorts and an endless variety of shades and markings. Fine field-grown plants with an abundance of roots, all colors, mixed; mail, 60c per 100; express, $4.00 per 1000. Cash with order.

Pansies a Specialty for 25 years. Hundreds of testimonials from all parts of the country like the following: "I have made a specialty of Pansies, procuring the best strains obtainable. Although I find choice flowers in other strains, yours last year were a revelation to me, for I did not know such colors existed in the flower."—JORDAN M. FOWLER, Petrolia, Ont. SEED of this strain, $1.00 per ⅛ oz.; $5.50 per oz.

L. W. GOODELL, PANSY PARK, **Dwight, Mass.**

For Parks, Cemeteries or Private Grounds

we can furnish a very large and superior stock of

FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.

Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.

Remember we are Headquarters for Nursery Stock in the East.

Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.

SATISFACTION GUARANTEED. ADDRESS...

STEPHEN HOYT'S SONS, New Canaan, Conn.

250,000 MILLER'S RED RASPBERRY PLANTS.
300,000 EARLY HARVEST BLACKBERRY PLANTS.
150,000 LUCRETIA DEWBERRY PLANTS.
All of the above at $5.00 per 1000.
125,000 STRAWBERRY PLANTS, four of the best leading sorts, at $2.00 per 1000.
125,000 PEACH, 1 year from the bud and June budded, in surplus.
20,000 JAPAN PLUM, 1 year from bud, also in surplus.

MILFORD NURSERIES.
ALEX. PULLEN, Prop. **MILFORD, DEL.**

H. P. ROSES. Doz. 100.

Strong 2 year plants, own roots.....$1.50 $10.00
Double white Poet's Narcissus..... 1.00
Monthly Roses from pots or open ground 8.00
PÆONIES for fall planting in choice assortment, $10 per 100.
CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

HOME OF CHOICE TREES and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. ☞Catalogue free.

HARDY SHRUBS.

Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.

SAMUEL C. MOON. Morrisville, Bucks Co., Pa.

HARDY Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Viburnum Tomentosum

A RARE AND BEAUTIFUL SHRUB.

HERBACEOUS PERENNIALS SPECIALTY

Price list and descriptive catalogue on application.

REA BROTHERS, Norwood, Mass.

NURSERYMEN....

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

.....It your.....

Business Methods

are right you can make a profit on an advertisement here.

BEGONIAS

Assorted varieties from 2-in. pots.
$2.00 per 100.
EXTRA STRONG.

GREVILLEA ROBUSTA. 2-in. pots, strong, per 100 **$2.50.**

CASH, PLEASE.

Edward B. Jackson,

STAMFORD, CONN.

We beg to announce to the TRADE that we have our own collectors in the Tropics and are booking orders for

CATTLEYA TRIANÆ, MENDELI GIGAS and AUREA, and
ODONTOGLOSSUM CRISPUM (Pachotypes) for delivery spring 1900

We also have the finest collection of Laelio-Cattleya Hybrids in America, catalogues of which will be sent on application. **ARNOLD & CO.,**

222 St. Marks Sq., Philadelphia, *Orchidists.*

Orchids!



A limited quantity left of freshly imported *Cattleya labiata, C. Speciosissima* and *C. Gaskelliana. C. Mendelii* expected shortly.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

BROWALLIA GIGANTEA.

Fine plants to grow on for your Xmas trade.
Rooted cuttings.....$2.00 per 100
Out of 2½-inch pots, bushy..... 4.00 "
Out of 3½-inch pots, bushy..... 6.00 "
Samples for 10 cts. in stamps.

HENRY EICHHOLZ, Waynesboro, Pa.

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,
42 W. 28th St., - NEW YORK CITY.

ACALYPHA SANDERI...

2½-inch plants.....$12.50 per 100
3-inch plants.....$18.00 per 100

RAMBLER ROSES. Yellow, White and Pink, strong 2 year plants, $10.00 per 100

The Conard & Jones Co., West Grove, Pa.

LAST CALL—ROSES.

We Clean Up at 50 Per Cent Off....

To sell 500 choice 3-inch Maids and 300 Brides, very strong, superior stock, we offer them at a remarkable bargain and guarantee to please. Write at once. This offer will appear but once. Ten cents in stamps will secure samples.

W. H. GULLETT & SONS, Lincoln, Ill.

Finest Forcing Roses 2¼-in. Per 100 3¼-in. Per 100
BRIDE.....$2.50 $4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. **Cash with order.**

Asparagus Sprengerii. 2½-in. pots; **Asparagus plumosus nanus.** 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

FLORISTS

If you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

We Are ...Receiving

daily some very fine white and also yellow Lady Fitzwigram Chrysanthemums.

We were the first to have yellow and we expect to lead with pink soon.

Our Chrysanthemums are from some of the best growers and most noted prize winners in the west.

We expect to lead this market with select and fancy "mums" during the entire season.

Our prices at all times will be right and consistent with quality of stock.

We are prepared to quote prices on any quantity of any quality at any time and solicit correspondence to that end.

E. C. AMLING, 51 Wabash Ave., CHICAGO, ILL.

W. S. HEFFRON, MGR. WHOLESALE CUT FLOWERS.

AMERICAN BEAUTY Bridesmaid. Perle. Bride. Sunset. Meteor. Morgan. Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

Cyclamen!

We have a fine and healthy lot of Cyclamen Giganteum, well set with buds, growing in 3-in. pots, ready for repotting into 4-in. pots or larger; or three plants in 8-in. bulb pans will make a fine display and grow into suitable gifts for Christmas, or they could remain in the size pots they are in at present and would be most useful with which to make plateaus or "French" baskets of growing plants in bloom for Christmas or any other worthy occasion.

Plants in bloom for the gay and festive Christmas time are becoming more and more popular.

No better time than the present to be thinking about this matter and making necessary preparations.

$8.00 per 100, $70.00 per 1000.

EDWIN LONSDALE,

Money order office, Chestnut Hill (Sta. H.) Philadelphia, Pa.

Wyndmoor, Chestnut Hill, PHILA.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.

GREENHOUSES AND ADDRESS
JOLIET, ILL.

Field-Grown Carnations!

FLORA HILL, DAYBREAK, SCOTT, PORTIA, CARTLEDGE, VICTOR.....

Extra Fine, at Low Prices.

J. J. STYER, Concordville, Pa.

ONLY A FEW LEFT!

Good Carnation Plants NO CULLS.

1000 Emily Pierson, per 100, $3.00; 1000, $25.00
1000 Albertini..... " 3.50; " 30.00
500 McGowan..... " 3.00
200 Helen Keller.. " 3.00
300 mixed varieties " 2.50

W. C. BRYFOGLE, Bloomsburg, Pa.

ROSES—VIOLETS.

	Per 100.
Woottons, fine, 2½ and 3-in to close out, at..	$2.50
Meteors, " " " " " ..	2.50
Brides, " 5-in., " " ..	5.00
VIOLETS, M. Louise, field-grown.....	4.00
" Farquhar, " "	5.00
" California, " "	5.00
CARNATIONS, Wm. Scott, from open ground	4.00

Robert F. Tesson, West Forest Park, ST. LOUIS, MO.

FIELD-GROWN

Carnation Plants.

SCOTT	$5.00 per 100
DAYBREAK	5.00 "
BON TON	5.00 "

We would like a few good customers for our flowers. All the new varieties.

Steel Wire Plant Stakes.

The balance of our stock at reduced prices.....

H. F. LITTLEFIELD, Worcester, Mass.

Surplus Stock

of A No. 1

FLORA HILL CARNATIONS.
Field-grown, clean and healthy, at $5.00 per 100; $40.00 per 1000.

VICTOR, EMPRESS and BON TON, at same price.

McGOWAN, at $3 per 100; $25 per 1000.

Cash or satisfactory reference with order.

W. E. HALL, Clyde, Ohio.

Primroses.

	Per 1000	Per 100
CHINESE, ready for 3-in. pots	$17.00	$1.75
OBCONICA Grand. " "	17.00	1.75
" " Rosea, "		1.75
FORBESII, " "		2.00
PANSY PLANTS	2.75	.50

☞ CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

CARNATIONS!

I can supply you the best standards as well as novelties.

Write for price list.....

S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.
Mention American Florist.

CARNATION PLANTS.

Scott,	Helen Keller,	Tidal Wave,
Sweet Brier,	Storm King,	Kohinoor,
Outcast,	Victor,	Daybreak,
Meteor,	—$4.00 per 100.	

The above are all No. 1 plants and in good shape, no culls.

EVENDEN BROS., Williamsport, Pa.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Minneapolis.

The Twin City Florists' Bowling Club has not had a very large attendance at its practice games this fall but at the meeting October 3 the following not half bad scores were made:

Name	1st	2d	3d	Av.
G. Will	222	163	155	180
J. Hartman	153	172	133	153
E. Nagel	130	155	160	150
G. Malmquist	142	125	143	137
J. Monson	120	119	130	123
H. Barsch	100	116	120	112

N.

At Chicago.

Following the last Florists' Club meeting the bowlers made the following score at Anson's alleys:

Name	1st	2d	3d	4th	5th	Av.
Grant	142	152	209	...	...	168
Hansen	167	...	...	...	...	167
Winterson	167	144	148	166	156	156
Balluff	118	155	167	155	155	150
Henderson	127	151	156	...	...	145
Woodward	145	...	...	...	...	145
Degnan	113	129	169	150	136	139
Baldwin	129	...	...	...	...	129
Kreiling	131	141	99	152	106	126
Novak	103	...	...	...	...	103
Hartshorne	97	...	...	...	...	97
Reardon	86	...	...	...	...	86
Johnson	74	...	...	...	...	74
Kelday	70	...	...	...	...	70
Lees	69	...	...	...	...	69

At Philadelphia.

"Deacon" Harris, as he allows some of his chosen friends to call him, is regaining his old time skill as a bowler. He put up three games last week with an average of 163, which is bowling of the crackerjack variety. Last Saturday night W. H. Smith, who has been summering at Asbury Park, happened in, and treated the boys to a surprise by breaking the record, moving the high score from 238 to 247. All the marks were strikes save three spares and he rounded off the score with 29 in the last frame. It was great bowling and he was roundly applauded by the company present, nine of whom were bowling with him.

There is talk of an Atlantic League, composed of Flatbush, New York, Philadelphia and Baltimore, the teams to meet once a month, each time in a different city, and bowl for a suitable trophy. This will make a very interesting contest if it can be brought about. K.

New York Versus Flatbush.

As per announcement, New York and Flatbush had a bout at the New York club's alleys on Monday afternoon, October 9. New York "ate 'em up" for three straight games, notwithstanding the tact that Lang had no slippers. There was a time when such a catastrophe would have sent the Flatbush boys home in dejection but chastened by a succession of similar events, they have now learned to take defeat philosophically, and they stayed in town and lined up at the evening meeting of the Florists' Club smilingly and all they had to say was, "wait till we get you over on our own alleys." And they are just the boys to square off the score at that time. Thursday evening, October 19, is the date selected for the return match, which will take place at Schwalback's alleys, Flatbush, where all "rooters" for either side will be welcome. Monday's scores are herewith appended:

NEW YORK.				FLATBUSH.			
Name	1st	2d	3d	Name	1st	2d	3d
O'Mara	146	174	125	Riley	126	136	127
Traendly	137	122	121	Schmutz	120	101	141
Burns	128	133	157	Raynor	94	136	173
Roehrs	117	132	215	Mellis	146	160	146
T. Lang	129	160	147	Dailledouze	101	96	167
Small		132	138	Zeller		112	138
Total	648	853	903	Total	587	741	887

During the progress of the games the understudies scored as follows:

Name	1st	2d	3d	Name	1st	2d	3d
Schenck	163	119	156	Withers	102	95	132
Dailledouze 99	116	115		Doulan	128	97	110
Siebrecht	132	122	107	Marshall	115	123	140
Shaw	86	131	129	Wocker	91	108	82
Donaldson	121	131	145	Schultheis	91	96	93
W. Burns	58	68		Troy		130	118
Butterfield	109	118		J. Lang		96	112
Logan		70		Woerner			108
	601	786	908		527	745	895

With Philadelphia Gunners.

The last contest of the present handicap series for club prizes was shot at the Wissanoming grounds last Tuesday afternoon. Each contestant shot at twenty-five targets at known and twenty-five at unknown angles, with the result that G. O. Bell won first prize for the four contests, W. H. Wolstencroft, second, and Dorp, Jones, Park and Harris were tied for third. The tie will be shot off at the next meeting. The score of the last contest follows:

Name	Known angles.	Unknown angles.	Hdcp.	Total
Webster	19	21	19	59
Westcott	17	23	18	58
Bell	23	23	11	57
McKaraher	18	23	15	56
Park	20	24	10	54
Wolstencroft	23	25	3	51
Cartledge	21	20	9	50
Daniels	15	16	19	50
Dorp	19	14	17	50
Ball	21	18	9	48
Smith	20	20	8	48
Harris	17	18	10	45
Anderson	20	18	6	44
Ellis	7	7	20	34
Loomis	20	21	..	41
Schlay	19	19	..	38
Hamell	14	15	..	29

K.

Worcester, Mass.

Flowers have been very scarce since the heavy freeze of October 1, which caught many growers unprepared, but are in fairly good supply at the present time. Roses have improved both in quantity and quality and the same is true of carnations and violets. Chrysanthemums are obtainable in quantity now and are good; Lady Fitzwigram is almost gone and Mme. Bergmann and Glory of Pacific are in their prime. A few excellent Lady Harriott are also available, but Henderson is the only yellow brought in up to date. Trade has started in a very satisfactory manner and we are anticipating a good winter.

Buildings are nearly completed. Lange has finished his range and H. Book and A. A. Hixon have nearly finished their piping. Lange has had his downtown store renovated; new floor, ceiling and fixtures.

C. A. Keys has fallen a victim to the glib-tongued palm swindler and bemoans the loss of fourteen plants. The usual game was worked.

H. F. Littlefield has opened a store in town and has the best wishes of the trade in his new venture. A. H. L.

NEEDHAM, MASS.—Paul Richwagen has leased the Watson greenhouses on Highland avenue.

WHAT HAVE YOU TO SELL?

Having prepared for the season of 1899 and 1900 by remodeling our entire store, building **new cooling rooms** 12x16 x32 and 16x18x25 all on the latest, modern up-to-date style, we take pleasure in announcing that with the prospects of **the coming season**, we will be short on supply. We therefore inform you that if you have stock to sell, **we can sell it.**

Growers who grow stock for themselves often have more than they can use, **we can sell it, ship it along.**

We have been in the commission business more than **twenty years** and we can boast that our honest treatment has built up the largest business of its kind in the West. **When you want to buy** come to us, we will take care of you. When you want to sell come to us, for with the large outlet we have we can sell it.

We pay shippers on demand. Weekly statements of accounts rendered.

Information given on any subject in the trade on request.

We are especially **short** on "greens" such as Asparagus plumosus, Asparagus tenuissimus, Asparagus Sprengerii, Princeps Ferns, Farleyense, etc. **Growers** of these lines would **do well** on this market.

In short, if you are a seller **see us.** If a buyer see us.

Promptness has been one of the elements of our **success,** promptness in paying, promptness in filling orders correctly.

Promptness in all branchess makes us just what we have claimed to be, the oldest, **most reliable firm** of the kind in the United States.

Kennicott Bros. Company,

Wholesale Commission Florists,

42 & 44 Randolph Street,

CHICAGO, ILL.

FLINT KENNICOTT, Pres. E. E. PIESESR, Treas.
Hon. BOBT. REOFIELD, Vice. G. H. PIESER, Sec'y.
R. R. JAMPOLIS, Atty.

SURPLUS STOCK OF **Roses and Carnations,** strictly first-class in every respect and guaranteed to be good, healthy plants and free from disease, in the following varieties.....

ROSES: American Beauties, 3 and 4-in.; Brides, 3, 3½ and 4-in.; Maids, 3 and 4-in.; Meteors, 3-in.
CARNATIONS: Scott, Alaska, McGowan, Dana.

Write us your wants; we will quote you a price that will sell them, as we must have room for other stock.

LAKEVIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms, **Jamestown, N. Y.**

CARNATION PLANTS.

STRONG FIELD GROWN.

	Per 100	Per 1000
FLORA HILL	$5.00	$45.00
PAINTED LADY	5.00	40.00
NANCY HANKS	3.00	25.00
EVELINA	5.00	40.00
McGOWAN	3.00	25.00
PINGREE	3.00	25.00
McBURNEY	3.00	25.00
ARGYLE	5.00	40.00
SCOTT	2.50	20.00
KOHINOOR	3.00	25.00
PORTIA	3.00	25.00

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS.,
51 Wabash Ave., CHICAGO.

FIELD CARNATIONS

Clean, healthy, strong plants, to be sold at a sacrifice.

Jubilee, McBurney, McGowan, Eldorado, Scott, F. Dorner, D. Fox, S. Spray, at only $3.00 per 100; second size, $2.50 per 100. Speak before they are all gone.

LAMPRECHT BROS., Ashland, Ohio.

20,000 FIELD CARNATIONS

that must be sold: McGOWAN, PORTIA and SCOTT, fine healthy plants, $4.00 per 100; $35.00 per 1000.
5000 CALIFORNIA VIOLET clamps, $3.00 per 100.
5000 SPIRÆA ANTHONY WATERER, fine for Easter. Field plants, 5 cts.
GENISTA for Easter, 2½-inch, fine, 4 cts.

BENJ. CONNELL, Florist, West Grove, Pa.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, ATCO. N. J.

FINE Field-Grown Carnation Plants

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Hon Ton and Scott. **$4.00 per hundred.**

☞ Cash with order please.

VAN WERT GREENHOUSES, Van Wert, O.

Carnations FIELD GROWN

HEALTHY, GOOD STOCK.

EVANSTON, $8.00 per 100.

DAYBREAK, PORTIA, SCOTT, PINGREE, KOHINOOR, } $3.00 per 100.

A. G. PRINCE & CO.,
76 & 78 Wabash Ave.. CHICAGO, ILL.

CARNATION PLANTS.

Strong, healthy plants of the following varieties, viz:

McGowan, Flora Hill, Triumph (extra large), **New York, Daybreak, Victor, Scott, Carthedge and Bon Ton, $5 per 100; $40 per 1000.**

Satisfaction guaranteed. Cash with order.

CEO. R. CEICER, Nazareth, Pa.

Please mention American Florist when writing.

115,000 FIELD-GROWN

CARNATION PLANTS

Our plants are very large and stocky, perfectly healthy, free from dry leaves, etc.

	Per 100	Per 1000		Per 100	Per 1000
WM. SCOTT	$3.00	$25.00	FISHER	$4.00	$35.00
McGOWAN	3.00	25.00	ELDORADO	3.00	25.00
PORTIA	4.00	35.00	ANNA WEBB	5.00	45.00

Our prices are very low and are for CASH only.

EDW. J. TAYLOR, Southport, Conn.

4 Acres Field-Grown Carnation Plants, 100,000

Our Carnations are very fine. They have been grown with the greatest care, free from disease and packed by our improved system of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINCREE	BUTTERCUP	C. A. DANA	ARMAZINDY	CRIMSON SPORT
DAYBREAK	STORM KING	JUBILEE	METEOR	CAPTAIN KING
ALASKA	ELDORADO	PORTIA	ALBERTINI	SWEETBRIER
IVORY	WM. SCOTT	MRS. FISHER	McCDWAN	L. L. LAMBORN

$5 00 PER 100.

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring and freedom of flower by any others grown.

50 cts. per 100, $4 00 per 1000. **J. L. DILLON, BLOOMSBURG, PA.**

Carnation Plants

ALL SOLD BUT

3000 DAYBREAK
300 METEOR
400 SCOTT
300 TRIUMPH

These are all first size plants and clean. To close them out, will sell them at **$4.00 per 100, or $30.00 per 1000.**

W. A. WETTLIN, Hornellsville, N. Y.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

THRIFTY FIELD

CARNATIONS

with plenty of roots. Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

Carnations...

FIELD-GROWN, A1 STOCK.

Scott, Flora Hill, Portia, McGowan, Ivory and Pierson; also a few Harrison's White, Rose Queen, Goldfinch and Morello. Plants in two sizes: Medium, at $3.00 per 100; large, at $5.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

CARNATIONS

Field-Grown Plants.

Until sold out we offer the following varieties; all strong, well-grown plants. An extra fine lot of Hector, Evelina and Joost. We must clear the field. Order quick.

	Per 100
HELEN KELLER	$5.00
ALBERTINI	5.00
PINGREE	6.00
McBURNEY	4.00
HECTOR	6.00
ARMAZINDY	4.00
STORM KING	5.00
WELLESLEY	5.00
FIREFLY	4.00
ARGYLE	4.00
CERISE QUEEN	4.00
EMPRESS	5.00
EVELINA	6.00
DAZZLE	4.00

1000 rates 20 per cent discount. 500 plants at 1000 rates.

H. WEBER & SONS, Oakland, Md.
Mention American Florist.

FIELD-GROWN

Carnations!

...SEPTEMBER DELIVERY AND LATER.

We have a very large stock, including

G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN

in good, healthy condition. Send for price list.

F. Dorner & Sons Co., La Fayette, Ind.

2000 Wm. Scott and 1000 Albertini,

Strong Field CARNATIONS

$3.00 per 100.

ROSES, 2½ and 3-in. Brides and Maids, $3 a 100. Cat Smilax, 8-ft. strings, $15.00 per 100.
CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

CARNATIONS now ready, Daybreak, Scott, McGowan, Eldorado, Portia, Bridesmaid, Jahn's Scarlet T Cartledge, A Webb, C. A. Dana, Morello, Meteor, $4.00 per 100. CASH.

D. R. HERRON, Olean, N. Y.

Buffalo.

HAPPENINGS AT BISONVILLE.—SOME GOOD BUSINESS.—FLORISTS' CLUB MEETS.—KASTING IN POLITICS.

Trade is fair for during the week there have been several store openings calling for large quantities of stock. One of them required 1,000 yards of laurel and 300 palms; another 3,000 roses and many plants. Beauties are plentiful but chrysanthemums are scarce as yet. Brookins is sending in some fine carnations.

The Florists' Club was the guest of Prof. Cowell at South Park on Wednesday, October 11. Quite a little business was transacted, some of it pertaining to the Carnation convention of next February.

C. D. Zimmerman is about to open his store on Chippewa street and it is reported that Miss Margaret Skinner is to be in charge. She was with Rebstock.

The Democrats have nominated W. F. Kasting for councilman and the florists will do their best to see that he is elected.

Arthur Beyer, of W. J. Palmer & Son, has been in New York for a week, acquiring the latest notions.

S. A. Anderson is now a benedict and in receipt of numerous congratulations.

Chas. Siebrecht and E. J. Killen were among the week's visitors. W. A.

15,000

Latania Borbonica.

Fine plants of exceptional value, viz.:

		Per 100	Per 1000
2 character leaves,	12-15 inch	$15.00	$125.00
2-3 "	" 4-in. pots,	15-18 in. 20.00	150.00
4-5 "	" 5-in. pots,	18-20 in. 25 00	
5-6 "	" 5-6 in. pots,	18-20 in. 40.00	

CALADIUMS....
Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...
The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.
12-15 inch.....$12.00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS. 350 ACRES IN NURSERY STOCK.

Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries, AUCUSTA, GA.

PALMS FOR STOREKEEPERS

Do you want nice low stocky plants, such that don't get yellow for you or your customers? We will send such stuff as we showed at the convention.

		Per Doz.	Per 100
Latania Borbonica	3-in. pots	$1.50	$11.00
	4 "	3.00	22.00
	5 "	4.00	31.00
	5½ "	5.00	38.00
	6 "	9.00	88 00
	7 "		96.00
	8 "	22 00	175.00
Kentia Belmoreana or Forsteriana	5 "	9-12	72-98
	5½ "	12-15	96-120
	6 "	18-24	145-175
	7 "	30-48	250.00
Sword Ferns	4 "	1.25	9.00
	5 "	2.40	18 00
Bostoniensis, 90c. to $2.00 each.			
Umbrella Plants, extra fine	4-in. pots	1.00	7.00
	5 "	1.75	13.00
	6 "	5.50	42 00
Rubber Trees	6 "	9.00	70.00
" " branched		$1.50-$3.00 apiece	

Areca Lutescens, Cycas Revoluta, Pandanus Utilis and Veitchii, etc. We carry a clean, cool-grown stock of over 150,000; we sell for cash only; we allow inspection at express office; have hundreds of letters of thanks for prompt and excellent service. Order now and pay only freight.
We sell for cash only, NOT, allow, etc.

ALBERT FUCHS, Estab. 1884. Only western florist who took medal on Palms, World's Fair, 1893.
2059-73 N. Halsted St., CHICACO.



BOSTON FERNS

THE true stock. Full and compact plants, not over-drawn. We can ship reasonable distances by freight. Order now for your Fall Sales.

Strong plants from 2-inch pots " " " 2½ " " " " 3 " " " " 4 " " " " 5 " " " 6-in. pans. } Write for Prices.

Fine Specimen Plants 7 " " " 8 " " " " 9 " " " " 10 " " " " 12 "

Our large stock of **PALMS, ARAUCARIAS, ETC.,** are also in the best possible condition. If you are in the market for Palms, write us for our Special Price List, now ready.

POINSETTIAS. Just the stock for Xmas flowering. Strong, stocky plants in 3-in. pots, per 100, $6.00; 4-in. pots, per 100, $10.

VAUGHAN'S SEED STORE,
CHICACO: 84-86 Randolph St.
NEW YORK: 14 Barclay St.
Greenhouses: Western Springs, Ill.

We have a LARGE and FINE stock of

KENTIAS AND LATANIAS

in POPULAR SIZES. Also Small Ferns, Cocos, Etc. Send for list.

Large Stock of AZALEAS JUST ARRIVED in Best Varieties and in Fine Condition.

USE OUR IMPROVED CUT FLOWER BOX.

Sample mailed free with list of sizes and cuts.

ELLIS & POLLWORTH, : : Milwaukee, Wis.

CHINESE PRIMROSES.

Ready for 3's. Finest grown. Single and Double, named, $2.00 per 100; $17.00 per 1000; 250 at 1000 rate.

PRIMULA OBCONICA ROSEA. Clear pink; the finest of all the improved obconicas; strong, $2.00 per 100.

GIANT PANSY PLANTS. No finer mammoths ever offered; in choice mixture, $3.00 per 1000. Strictly cash prices. ☞ Extras added liberally to help pay expressage.

THE HOME OF PRIMROSES. **JOHN F. RUPP, SHIREMANSTOWN, PA.**

TRY SOMETHING NEW IN YOUR WINTER BLOOMING

ERICAS,

plants, all pot grown, set with bud, handled as easily as an azalea with similar treatment.

CASH PRICES FOR OCTOBER DELIVERY:

ERICA MELANTHERA	4-in.,	per 100,	$20.00;	per 1000,	$180.00
" PERSOLUTA ALBA	"	"	18.00;	"	150.00
" ROSEA	"	"	18.00;	"	150.00
" REGERMINANS	"	"	18.00;	"	150.00
" CUPRESSIANA	"	"	18.00;	"	150.00

Larger sizes and other varieties at reasonable prices.

H. D. DARLINGTON, FLUSHING, LONG ISLAND, N. Y.

Hydrangeas

FOR FORCING.

Otaksa, Red Branched, Thos. Hogg,

4-6 CROWNS, $10.00 PER 100, 90 00 PER 1000.
2-3 " 7.00 " 60 00 "

These are magnificent strong plants and unusually good value for the prices asked. We promise satisfaction to the most critical. Order now while they can be shipped without danger of freezing.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

	Per 100
ASPARAGUS Sprengerii, 2½-in. pots	$6.00
" **Tenuissimus,** 2½-in. pots	4.00
CAREX VARIEGATA, 2½-in. pots	5.00
BEGONIA REX in variety, 5-in. pans	10.00
CYCLAMEN, finest strain, in 4 colors, 2½-inch pots	5.00
GREVILLEA ROBUSTA, 2½-in. pots	5.00
VIOLETS, extra strong field-grown clumps of Princess of Wales	8 00
California	5.00

☞ All of the above plants are in fine condition and are sure to give satisfaction.

NATHAN SMITH & SON,
ADRIAN, MICH.

100,000 PLANTS
READY TO SHIP!

	Per 100	Per 1000
PANSY PLANTS, large plants in bud	$0.75	$5.00
PETUNIAS, Dreer's, 15 varieties mixed, 2¼ in.,	2 00	18.00
BEGONIAS, 15 choice varieties named, 2¼ in.,	2.00	18 00
IRESINES, red and yellow, "	2.00	18.00
COLEUS, 14 varieties named. "	2.00	15.00
VELVET PLANT, "	2.00	18.00
MAIDENHAIR FERN, 2½ in.,	5.00	
ASPARAGUS PLUMOSUS, 5 in.,	15.00	
FEVERFEW Little Gem, 2¼ in.,	2.00	15.00
PRIMULAS, Chinese mixed, "	2.00	18.00
" Obconica, "	2.00	18.00
" Auricula, "	3.00	
" Japonica, "	2.00	18.00
GERANIUMS, named, our selection, "	2.00	
Choice mixed, "	1.75	12.50
PELARGONIUM The Queen. "	2.00	
Happy Thought, 2½ in.,	3.00	
ANTHERICUMS, 3 varieties, 2¼ in.,	2 00	15.00
CIGAR PLANT, "	2.00	
JERUSALEM CHERRY, 6 in.,	10.00	

....NEW PLANTS....

	Per doz.	Per 100
NEW YELLOW BABY PRIMROSE, 2¼ in.,	$1.20	$10 00
NEW GERANIUM De Roo Mitting, 2½ in.,	1.20	10.00
Double Snowdrop, "	1 20	10.00
LOBELIA Scarlet Bloom, "	1.20	10.00

CASH.

THE MORRIS FLORAL CO.
MORRIS, ILL.
When writing mention the American Florist.

...PRIMULAS...

From 2½-inch pots, ready for a shift into larger size.

$5.00 per 100. $40.00 per 1000.

We grow our own seed, keep each variety separate and guarantee an equal number of each color in every order sent out.

BEAR IN MIND we will have an extra fine lot of well-fruited

OTAHEITE ORANGE TREES,
ready for Christmas delivery.

Chas. Zeller & Son Flatbush, BROOKLYN, N. Y.
Cash with order from unknown parties.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

THE BOSTON FERN A Specialty.
Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.
L. H. FOSTER, 45 King St., DORCHESTER, MASS.

3 More Sensational Novelties
THE GEM FORGET-ME-NOT, 3 COLORS.



PINK, WHITE, BLUE.

The compact and erect growth makes this new variety particularly useful as winter-blooming pot plants, as may be seen from photo. It is undoubtedly the

BEST FORGET-ME-NOT FOR CUT FLOWERS.

and, like the Baby Primrose, is sure to become popular. It is almost a perpetual bloomer and will give more flowers than any other plant we know, is perfectly hardy and blooms finely in cold frames.

12 plants, in 3 colors, 75c., or your choice of color for $1.00, by mail. 100 plants, 3 colors, $5.00; express prepaid. Large clumps to divide, $10.00 per 100.

GENUINE EDELWEISS
From the Mountains of Switzerland.

We intend to advertise this extensively and a great demand may be expected for it. Everyone knows that this highly-prized flower has become so rare that the Swiss Government has now stopped its exportation. When cut it lasts for years.

We have the only stock in this country.

Extra fine plants, from 2½-inch pots, $8.00 per 100; $1.25 per 12, mailed.

FINER THAN BOSTON FERN! THE LACE FERN! **Polystichum Proliferum.**

A hardy Fern, grows well under bench, lasts one month when cut, fronds sold at $1.00 per doz. here. Young plants, 50c. per 12, $4.00 per 100; larger, $1.00 per 12, $8.00 per 100, mailed.

ASPARAGUS SPRENGERI

2¼-in., fine, $4.00 per 100; 3½-in., $7.00 per 100.; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

For Winter Blooming: New Acalypha Sanderi, $1.50; New Browallia Speciosa Major, $1.00; BABY PRIMROSE, 75c.; New Begonia Gracilis, $1.00; New Hibiscus Archeri, $1.00; Euphorbia Jacquiniflora, $1.25; Bougainvillea Sanderiana, $1.00; New Primula Obconica Hybrida, 75c.; New Astilbe Chinense, pink, very fragrant. $1.50; Nægelias, 75c.; Golden Cestrum, 75c.; HARDY BEGONIA, 75c.—all these per doz. mailed.

Cycas Revoluta (Sago Palm), **$8.00 per 100 lbs.**

A. Blanc & Co., Philadelphia, Pa.

I WILL SELL
one-half of my **Lily of the Valley**
bed as it stands or will dispose of it in clumps. The flowers from this bed are noted as the finest ever seen in the Boston market. Write to

D. HARTFORD, Bedford, Mass.

Azaleas, Bay Trees, Palms, Araucarias,
Stock enormous, quality the finest.
SANDER, Bruges, Belgium.
AGENT: **A. DIMMOCK,**
60 Vesey Street, - - - NEW YORK.

ASPARAGUS SPRENGERII

3-inch..... $ 6.00 per 100.
3½-inch..... 10.00 per 100.
Also larger plants at 25c, 30c and 50c each.

VICK & HILL CO., Rochester, N. Y.

ASPIDIUM TENSEMENSE,
Nice stock in 3½-in. pots.
DRACÆNA TERMINALIS, fine specimens.
BEGONIA GLOIRE DE LORRAINE.
WRITE FOR PRICES.
...William W. Edgar, WAVERLY, MASS.

FICUS ELASTICA BELGICA.
Fine perfect plants, 4 to 6-in. pots, at $2.50 to $12.00 per dozen.
CARNATIONS, McGowan, 4 to 8 leads, @ $4 per 100
CHINESE PRIMROSES, 3-in. pots. @ $4 per 100.
J. D. IMLAY, Zanesville, O.

DRACAENA INDIVISA CLUMPS
from open ground; fine stuff, ready for 6, 7 and 8-inch pots. 10c, 15c and 20c each.
SMILAX, fine 2-inch stock, $1.25 per 100; $10.00 per 1000.
J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.
CASH WITH ORDER.

☞ OUR DIRECTORY FOR 1899 WILL BE MAILED TO YOU ☜
☞ PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS. ☜

Milwaukee.

STOCK SCARCE IN ALL LINES.—INGENUITY OF CUT FLOWER WORKERS FORCED INTO PLAY.—JOTTINGS HERE AND THERE.

Sharp frosts on the first of the month cut down stock that would have been useful ever since, for many florists who usually call upon the wholesale dealers for only part of their supply have been leaning on them almost entirely of late and just now nearly all the flowers that come to this market are spoken for before they arrive. Carnations are particularly scarce and have doubled in price. The scarcity in the ordinary lines has induced many florists to exert their skill in making use of some flowers that are commonly passed by. They have been so successful as to stimulate the demand for a larger variety. Among the novelties employed are maurandya vine in bloom, cut in sprays of six to ten inches, begonias and Primula obconica.

Outdoor bulb planting has begun and fall planting of shrubbery and trees is more general than heretofore.

The display of perennial phloxes in West Park last month has created quite a demand for them on private places.

John Didier, of Rogers Park, and N. K. Welter, of Evanston, were callers this week. C. B. W.



The Cow is pleased with the change.

CHAPTER II.

EVERGREEN, ALA., ——, '99.

Gentlemen: Since addressing you in Oct. 7th issue of AMERICAN FLORIST, I drove home to "Getmore Farm" and consulted the Cow about the scheme. Of course the Cow couldn't talk, but I put a handful of Southern Smilax and a handful of Timothy Hay down in front of her, and the Cow showed her preference by eating the hay first. So the Cow thinks well of the scheme and is pleased. All that bothers me now is, What Do You Think About It? Doubtless I will hear from you by mail or wire within the next few days.

I would just like to say here that a quotation of $2 per case of 16 cubic feet from **Calowell, The Woodsman,** means something; it means a great deal to you. It is not a cheap bid from some little boy or old farmer who has copied your address from one of my boxes of Smilax at the Express Office and sent you a cheaply gotten up price list, in which, with the postage, all his available capital was invested. You can often buy good Smilax at very low prices from that class of trade, and *you would be glad to do it.* But, you are not dead certain that you will get the *stuff on time* and you are a little afraid to risk it. Well, *you are right in not taking any risks,* for Smilax is no good "After the Ball is Over," or the marriage ceremony performed. But when I offer it to you at $2 per case, backed with the only perfectly equipped packing house in the country in this line of business, good packers, large force of trained Smilax gatherers and a reputation second to none in the trade for promptness, having been intrusted with every large decoration for the past ten years; it means prompt delivery, selected stock, well packed cases and the lowest possible figures. Awaiting your orders, I am,

Yours truly, **CALOWELL, The Woodsman.**

P. S. Chapter 3 will reach the AMERICAN FLORIST Oct. 21st. I claim a heap in Chapter 3.

Mention American Florist.

JUST.... RECEIVED Azalea Indica



Our Azaleas are finer this year than ever; they are well budded and in good shape, bound to give satisfaction. The varieties are in market sorts **only.**

	Per doz.	Per 100	Per 1000
9 to 11 in. diam.	$3.50	$25.00	$225.00
10 to 12 "	4.00	30.00	275.00
12 to 14 "	5.00	40.00	375.00
	Per doz.	Per 100	
14 to 16 in. diam.	$ 6.50	$ 50.00	
16 to 18 "	12.00	90.00	
18 to 20 "	15.00	110.00	

20 inches and up, from $2.00 to $4.00 each.

FURTHER, WE HAVE ON HAND:

ACACIA PARADOXA, strong plants, 50c., 75c. and $1.00 each.

METROSIDEROS, bushy, 50c. and 75c.
" standard, $1.00 to $2.00 each.

ASPIDISTRA, variegated, 10 to 15 leaves.....$1.00 and $1.50 each.
" green, 20 leaves..... $1.25 "

ARAUCARIA EXCELSA, 10 to 14 inch.....$9.00 per doz ; $60.00 per 100.

LATANIA BORBONICA, 7 to 8 inch pots, 2½ feet high, nice, bushy.....$15.00 per doz.

BULBS

	Per 100	Per 1000
LILIUM CANDIDUM, extra strong bulbs	$4.00	
HYACINTHS, Dutch Roman, to color	2 50	$20.00
" for pots, named varieties	5.50	50.00
SINGLE NARCISSUS, Trumpet Major, seedlings	1.50	

BOBBINK & ATKINS, Rutherford, N. J.

Gloire de Lorraine Begonia!

The grandest Novelty of the day and one of the best selling plants for Florists ever offered. Blooms continuously, Autumn, Winter and Spring.

FINE, STRONG PLANTS, from 3 1-2 in. pots, per dozen, $4.75; per 100, $35.00.

FLOWERING PLANTS, from 2 1-4 in. pots, per dozen, $2.35; per 100, $17.50.

R. & J. FARQUHAR & CO.

16 and 19 So. Market St., BOSTON, MASS.

Roses, Violets, Carnations, Meteors, 2¼-in. pots, per 100, $4.00; Bridesmaids, 3-in. stock, " 5.00; Kaiserin, 4 " " 8.00; in 2¼-in. pots..... " 3.00; field-grown.....$40.00 per 1000; " 5.00; field-grown, ready after Sept. 1st, all the leading varieties—$5.00 per 100, $40.00 per 1000.

Genistas, 3-in., $ 9.00 per 100. 4-in., 15.00 per 100. fine plants.

W. F. KASTING,
481 Washington St., BUFFALO, N. Y.

AZALEA AMŒNA.

The best dwarf, hardy Azalea. Strong plants from open ground, $3.00 per 10; $25.00 per 100.

Strong, bushy plants from 3½ in. pots, $1.50 per 10; $12.00 per 100.

Send for catalogue of **Hardy Trees and Shrubs.**

SAMUEL C. MOON,
MORRISVILLE, (Bucks Co.), PA.

ATTENTION!

Boston Ferns,
6-inch pots, - - $12.00 per dozen.

Primula Obconica Grandiflora,
$3.00 per 100.

Croton Aureum Maculatum
3-inch pots, $8.00 per 100.
2 " " 4.00 "

5,000 of that useful Hardy Herbaceous Plant.....

Rudbeckia "GOLDEN GLOW"
Write for prices.

EDWIN LONSDALE,
CHESTNUT HILL, PHILA, PA.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. **VIOLETS.**

WOOD BROTHERS, FISHKILL, N. Y.

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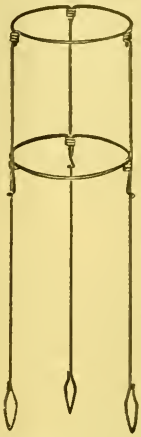
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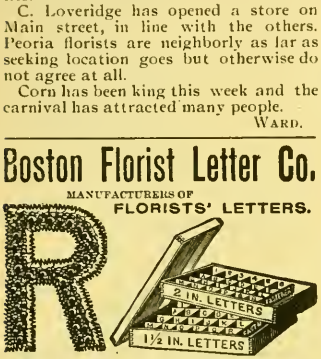
C. Loveridge has opened a store on Main street, in line with the others. Peoria florists are neighborly as far as seeking location goes but otherwise do not agree at all.

Corn has been king this week and the carnival has attracted many people.

WARD.

Boston Florist Letter Co.

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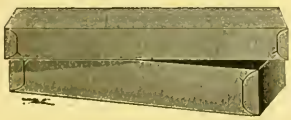


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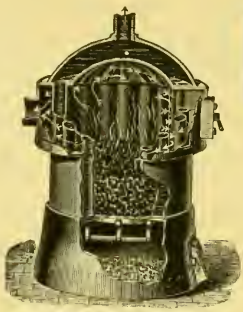
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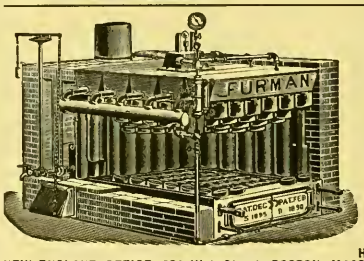


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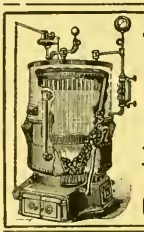


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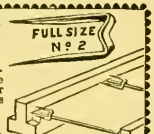
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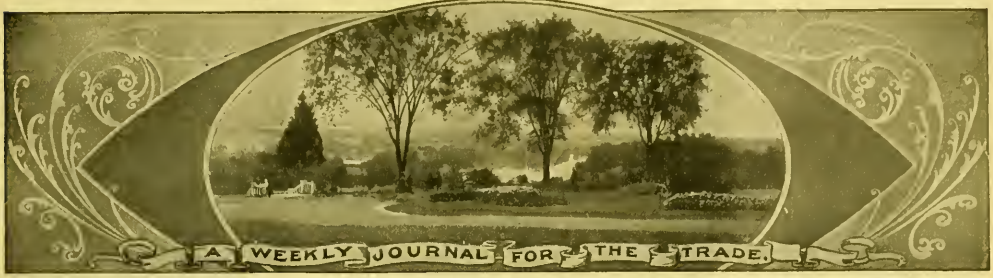


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THE AMERICAN FLORIST



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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900]. E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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Cottage Gardens in Fall.

When Cottage Gardens are mentioned one is sure to think of carnations. It is not so well known, however, how extensively geraniums are grown there or that it boasts the best selected collection of these in the United States. All the new varieties of whatever origin, are given a trial, their character and behavior under various conditions closely compared and their value as bedders or conservatory bloomers determined. The various classes into which geraniums are now divided are kept distinct, an entire house being given to one division, sometimes. The number of varieties under test or cultivation is very large and those enumerated herein are only a selection of the finest of the novelties as seen under Mr. Ward's guidance in a visit about the middle of October. The advance over the geraniums of a few years ago is remarkable and the steadily increasing demand in all classes gives the best of assurance that, whatever may become of the rest of the so-called bedding plants, the geranium's popularity is greater to-day than ever before.

Among the doubles, in scarlet and vermilion shades, Mr. Ward recommends John Doyle as unexcelled. It is bright scarlet, bearing an immense bloom and stands the exigencies of the weather, being presentable when all others have succumbed. Leonard Kelway is a glorious flower but is too stunted in growth and is easily supplanted by Lafayette, which has all its good qualities and is a good grower. Its color is identical with S. A. Nutt. Canovas, a cardinal scarlet, maroon shaded, bids fair to supersede Nutt, its habit, color and size of bloom being all that could be desired. Pasteur is a pure scarlet vermilion, full of life; Raspiel an unequaled scarlet with a model flower; Richelieu a semi-dwarf, flowering low; J. J. Harrison an enormous scarlet bloom but flowering too late to be valuable in this section; Emmanuel Arene a vermilion with white heart, in fact a double Hoste, and Malgache an orange vermilion which is in a class by itself, as yet being the nearest approach, so far, towards a pure yellow.

Among pink bedders Frances Perkins is the peer of all. It is pure in color with a white eye and although the trusses are not large there are plenty of them. Modesty can best be described as a double Madonna. Its color is a lovely peach blossom. J. B. Varrone and Herbert Charron are excellent double aureoles, the first deep rose fading to white in the center and the latter soft pink with vermilion rose edge, and Surprise is a good deep pink bedder. Of the lighter tints one of the best is Mme. Jaulin, white and pink flushed in the manner of apple blossoms. It has Poitevine habit and cannot be beater as a Christmas bloomer. Fraicheur is a very distinct variety in the new picotee section, pure white with a dainty pink edge and porcelain texture in the petal. In salmons Mme. Charotte is a strong rival for Poitevine. It is softer in color and the leaf zone is more pronounced. More brilliant than Poitevine is Mme. Landry, a florilerous, healthy dwarf-growing variety that should be in every list.

In crimsons there is the Pride of Ryecroft and Dr. Despres. The latter bears a very large individual flower. Of the newer carmine shades, Cæsar is a good type. It may be called a carmine lake with a scarlet flush at the base of the petals, a most unusual combination not popular until this year, when it seems to have "caught on" and made a place for itself. The best in this section is Klaber, which Mr. Ward says made an incomparably brilliant show on the lawn the past season. Henry de Parville is a fine crimson, one of the best. It might be said in passing, that many of the varieties reviewed here are described in English catalogues very differently as to color. The difference in climate accounts for this mainly, our bright sun bringing out scarlet tints where none appear under the moist, cloudy conditions prevailing in England.

In single varieties of recent origin, J. P. Cleary, an American scarlet sort, is worthy of mention. It is possible the claim may be made that this variety is identical with Universe, for they are very similar, but growing side by side it is seen that Cleary is taller in growth, has a larger truss and rounder flowers. Ben Schroeder and Gertrude Pearson are fine single pinks, the latter with a white eye, and Granville is one of the best for outdoor work. Pouschkine is an elegant aureole, pure carmine with clear white heart, and Blanche Jamais a brilliant carmine thickly veined toward the center on a white ground.

A most interesting section is that known as the English round-flowered. They are almost exclusively for conservatory decoration and practically useless as bedders. They represent the highest advance in form and size of floret. In scarlets, there are Lillian Duff, flame scarlet, described as crimson in

English catalogues; Oliver, which is an improved Mme. Hoste; Lord Kitchener, vermilion; Andrew Laing, which resembles Oliver but with larger and brighter flower; Hall Caine, a handsome light vermilion; Pierre Le Brun, a large scarlet; De la Vigne, a strikingly brilliant cardinal scarlet slightly veined maroon; Chaucer, called in England a cerise but nearer to vermilion as seen here; Herrick, a glowing scarlet with vermilion tendency rather than crimson as described by the introducer, and Paul Maurice, which is a French variety scarcely distinguishable from Herrick but may show a difference in growth and habit after further trial.

Barbara Hope, Mary Pelton and Ian Maclaren are all handsome salmons the two first being white towards the center, flowers of enormous size and Ian Maclaren being remarkable for its full round blossoms. The largest bloomer of all is Mrs. Williams which bears pink flowers full three inches in diameter, each floret borne on a long individual stem. George Sand is a blush white thickly sprinkled with carmine dots and Daumier is similarly dotted on a deeper pink ground with white eye. Rudyard Kipling is a crimson overlaid with purple with a scarlet eye and Mark Twain a fine aureole flaked with carmine and veined to the margin with scarlet lake.

Among the best of the newer ivy leaved geraniums are Centenaire, with deep rose flowers; Beauty of Castle Hill, a salmon rose; Rycroft Suprise, a pure rose; H. T. Wooderson, also rose; Beauty of Jersey, deep rose, and Achievement, which is a cross between the ivy leaved and zonal sections and is the cream of the whole collection.

A look at the carnations is always in order at Cottage Gardens. Mr. Ward expresses satisfaction with the fall trade in field plants, which has been very steady, and the stock of most varieties is well depleted. In his own planting Mr. Ward has gone most heavily into Crane, Maceo, New York and White Cloud with a strong representation, also, of Gomez, Mrs. Bradt and Mrs. James Dean. He has suffered much from stem rot on Melba, America, Glacier and New York. In the case of America he believes that the change from the heavy clay soil of its native place to the rich loam of his location is largely responsible and this rule seems to hold good especially with all varieties of large, succulent growth, such as America and Glacier. He regards New York as the most profitable pink variety with him and has discarded all other yellows for Gold Nugget. Gov. Griggs looks very promising. Gov. Roosevelt also impresses favorably. It appears to have improved its habit considerably since last year. A new seedling of Dorner's looks as though it might be a dangerous rival for Mrs. Jas. Dean. It is on the same type but blooms much freer. A sport from Flora Hill, possessing the much desired stifler stem, is being watched with deep interest.

Winter Treatment of Pansies.

IN MASSACHUSETTS.

Pansies are usually wintered in cold frames by retail florists. The seed is sown in July and August and transplanted to the frames three to four inches apart in September, October and November. Care should be taken to have the surface of the soil in the frames enough higher than the paths outside to prevent water from running in. The frames are usually covered with sash, in which case plenty of air is given on mild days. If the frames are only covered with shutters or boards the covering should not be put on till late in the season, after the ground has frozen pretty solid, in which condition it should be kept through the winter by excluding the sun. Put on sash as early in spring as it is desired to start them into growth.

Wholesale growers, some of whom have several hundred thousand plants to carry over winter, transplant them to beds which are made three to four feet wide in the open field. In this latitude transplanting should be done not later than October 10, so as to give the plants time to become well rooted before winter. The pansy is a very hardy plant and will stand almost any amount of cold, but the plants are often killed in winter by alternate freezing and thawing and by water standing and freezing around the stems.

To prevent injury the beds should, if possible, be located so that the water



THE LATE C. W. SCHIRRMACHER.
(See page 303 of last issue.)

will easily run off and have the paths between the beds at least five or six inches deep and a foot or more wide. Care should also be taken to make the surface of the beds firm and smooth and a little higher in the middle than on the edges. To prevent injury from alternate freezing and thawing, cover the plants very lightly with coarse swale hay, only just enough to cover them from sight, for too much or too close a covering is worse than none at all. To prevent the hay from being blown off by high winds, put on some evergreen boughs or brush, which will also give the ground a little more shade without excluding the air.

If we could depend upon snow covering the ground from the first of December to April, there would be no need of protecting the plants with anything else, for there is no better covering for the protection of plants in winter; but if pansies are treated in the above manner any quantity of plants can be carried through the winter in good condition in the open ground and will come out in spring as green as leeks, no matter what the winter may be.

L. W. GOODELL.

IN ILLINOIS.

We find it necessary to make two sowings of pansies for our trade, one in the fall and another early in the new year. The reason for this is that we have a big demand the latter part of May and by that time the fall sown plants have become too large to give as good satisfaction as the later stock. Where they are wanted for planting out in beds in early spring the plants should be put into their winter quarters as soon as possible to become thoroughly established before the severe weather sets in.

Pansies need a light, rich soil but stiff enough to allow the plants to make a sturdy growth and not become weak and straggling. We set our plants out in frames and encourage them to make as good a growth as we can before it starts to freeze. The sash are not yet put on at all except during heavy rains. The plants are given this treatment until the beds are frozen hard, when the frames are covered with shutters and banked up around the sides with leaves and straw. They are allowed to remain this way until the weather becomes very severe, when additional material is covered over them, in which condition they remain till spring.

The main thing we find is to have the beds frozen before covering and to keep them so till light is given in early spring. The greatest enemy we have to deal with are the field mice, which rout the beds all up if they are not thoroughly frozen before being closed up for the winter.

We find the best demand for the rich velvety kinds, no matter if they are not of the largest size. Beaconsfield is a good seller as also are the yellows and whites together with the peacock varieties. The blacks do not seem to do at all here and our customers have not fancied the new red and brown shades yet.

C. W. JOHNSON.

IN PENNSYLVANIA.

So far as I have observed and have been able to ascertain, the growing of pansies does not obtain to such an extent in Philadelphia as in some other cities. Most all who grow plants for market have them with other plants, for they are mostly for local use. The usual course of treatment is much as follows:

Seeds are sown about September in light, rich soil, and in situations where they may be shaded from strong sunlight in the hottest part of the day. The seedlings, from their first appearance, must have a free circulation of air at all the times. As soon as the young plants are large enough to handle they are dibbled out, either into flats or a cold frame, and in this way are wintered, either by protecting the frame from freezing or, if the plants are in flats, removing the latter to some quite cool greenhouse. As is well understood, the pansy is the better for being in a temperature of about 40° through the winter months.

The soil for pansies should be quite rich, as this ensures to healthy plants, rich green leaves and full-sized flowers. When well decomposed the soil can hardly be too rich. Rich food, coolness of temperature and lots of air in winter, are essentials.

When grown in flats, a dozen or two in one of them, they are often sold in that way, customers setting them in beds in early spring direct from the boxes; they are likewise taken from frames and set out in the same way. When pots are used, the old way and still the best for general convenience, the potting is done in early spring, just as winter closes. It takes but a few weeks for new roots to take hold of the fresh soil and by planting out time new growth of root and top has well set in.



CLEMATIS PANICULATA IN A PRIVATE GARDEN AT PLYMOUTH, MASS.

I do not think there is anything in this different from the usual method of growing the pansy. If the plants were grown for wholesaling there might be something to be said of new wrinkles in the management of the pansy in winter, which such a business would necessitate.

JOSEPH MEEHAN.

Clematis Paniculata.

This plant is suited to the climate and the wants of this country so well that one wonders where it was so very many years before its introduction to our gardens; it is by no means a new plant, having been sent to Europe from Japan so long ago as 1796. But that it takes a long time for a good thing to become known is shown in the case of many of our best shrubs, such as the Japanese Judas tree, the Exochorda grandiflora, Japanese hydrangea and snowball. It can be said of nearly all these that, though in nurseries here for thirty to forty years, they have been really unknown until recently in very many collections.

Clematis paniculata completely eclipses the old C. flammula, itself a valuable species, and before the advent of C. paniculata, universally planted for its feathery white bloom and sweet scent. In many situations C. flammula would partly die back in winter, but this C. paniculata never does. It blooms here in September, while C. flammula is an August bloomer. In shady places I have seen it flowering in the early days of October.

The rapid growth of this vine enables it quickly to cover a trellis, and it is thus excellent for shading purposes. Two other feathery white ones are good in the same way, C. vitalba and C. Virginiana, but these are not its equal either in beauty of foliage or flowers, while most all of the large-flowered section are not productive enough of foliage to have value for shading purposes.

The grounds of many of our well-to-do people are enclosed by an ornamental railing, and I have seen this clematis planted at the posts, sometimes alternately with the honeysuckle, to great advantage. There is a looseness of growth about it which is a relief to the formal posts, which would otherwise be seen.

Last summer one of our florists grew a lot of this clematis in 7-inch pots. The plants were vigorous, three years old. A little triangular arrangement of stake was used, tied together at the top. The plants were cut back when potted; soon the fresh growth covered the framework, and many plants were disposed of then and later when bedecked with their clusters of white flowers, the whole lot quickly disappeared.

It is a beautiful vine for a doorway and even set to a stout stake in a garden or to any object desired covered, it is most useful. Many an ill-shapen shrub or decaying evergreen could be made beautiful by giving them up to this clematis, letting it ramble over them. Though flowering late in summer it is not too late for the seeds to ripen, and they can be gathered by the time freezing weather comes. Plants are easily raised from seeds. Though I have not personally raised C. paniculata from seed I have grown C. flammula and have no doubt the same treatment would answer for both. Sow the seed in shallow boxes any time after thoroughly ripe. Place them in a cool greenhouse, under a stage, the boxes covered with glass. Probably no water will be needed all winter, the damp ground and soil in the box affording the little moisture required. In late spring or early summer the seedlings should show, when the boxes should be brought up to receive more light.

JOSEPH MEEHAN.

[The illustration shows a plant of C. paniculata in a private garden at Plymouth, Mass. It grows about 200 feet from tide water, writes the owner, and is fully exposed. The plant was placed in its present position five years ago and was then two years old. It is cut down every autumn to within eighteen inches of the ground and has no protection against the severity of the winter.—ED.]

About Retailing Cut Flowers.

The question of buying and selling cut flowers may be dismissed with a word, for every retailer thinks he knows his business, but if it is discussed thoroughly it will run through several chapters. When I ran a retail store I did not stop to question the wholesale prices. I was always looking

for the finest stock on the market and figured that if the quality was there the price cut little figure. That is to say, if I paid a cent or two more for first-class flowers they would keep better and would always command 25 cents or 50 cents a dozen more than would the lower grades. I could always get better prices than my neighbor, who paid less, because I did not have to rush off my stock; properly handled it was worth even more the second day than it was the day I bought it, for it improved in water.

But to-day, with so many commission firms, the retail buyer runs around looking for the lowest price and often gets left, for the choice stock which he could have secured at one place is sold while he is on his unsuccessful search for a cheaper price. Then he consoles himself with the thought that the public doesn't appreciate the difference in flowers and takes what he can get. That is where he makes his mistake for while there are many who do not know a first-class flower from a medium one there are many who do and are willing to pay the price for the former.

Cut flowers should be retailed with a profit of at least 100 per cent and if a storeman has good stock and firm prices he makes as much on one sale as the cheap competitor makes on half a dozen sales. Now-a-days, when people run around for bids on a job, you can set it down that they know nothing about flowers and you must take a different course than cutting prices to make the sale. Suppose a customer comes in and asks the price of a 24-inch pillow. The very question betrays the "shopper." Then is your chance to tell not how cheap you will make the piece but to ask what is expected for the money and to tell what you will use for this price or that. Don't let the other fellow out-do you in glowing description. Then when you have the order do the very best you can but you will find that you can work up a lot of your odds and ends with perfect satisfaction to the customer.

You might say that one cannot do this kind of work if he buys the best stock, but that is not so. If your flowers are too good for such an order you can always pick up a lot of cheap stock at times when it might be hard to get material for first-class work. However, one of the greatest troubles to-day is that the retailer depends too much on the wholesaler. He thinks he can get what he wants at the time he wants it, but that is an error, for the commission house sells over a large part of the United States and hustles to get its stock moved. The local buyer has the first chance but if he don't speak quickly there are other cities which want fine flowers and are willing to pay for them.

CHARLIE'S AUNT.

CHRYSANTHEMUMS.

CULTURAL NOTES.

October 21.—The chrysanthemum will be the king of the flower market for the next six weeks; they are making their appearance from every quarter now, though nothing striking has come under my notice. The varieties are the same as last year and the year previous, Mme. Bergmann, Marquis de Montmort, Lady Fitzwigram, Yellow Fitzwigram and a few Glory of Pacific.

The only novelty worthy of mention so far is Soleil d' Octobre, a fine yellow of easy growth. It is very similar in color and form to that well known variety, Mrs. J. G. Whilldin, but it seems to be earlier than any other yellow of its size, which should make it valuable. We have a few plants of a pink variety named Adele. The blooms, nearly ready to cut, are a beautiful color and if it stands shipping is worthy of further trial.

The midseason varieties are fast expanding their petals and our principal work connected with them is to maintain a dry atmosphere and even temperature and remove any decayed leaves or suckers. The soil in the beds should be kept a little on the dry side now but not enough to cause the plants to wilt in the least. The blooms should be allowed to stand in water over night before shipping. Flowers with stems three and one-half or four feet long, with heavy foliage, should have at least fifteen inches of water to stand



JAMES HARTSHORNE.
President-elect Chicago Florists' Club.

in. Be sure the blooms are kept as near upright as possible and in a dry place with the temperature as near as possible to 50°.

Specimen plants that are intended for the shows early next month should be well along in color by now and if any are at all backward get them into a warmer place and as near the glass as practicable and keep a little on the dry side. This will help them along considerably but it must not be overdone so that the shoots become drawn and weak or the effect of a fine specimen will be lost.

If the plants have not had their final tying it is almost too late to do much except arrange the shoots if they have become bunched, and care must be taken in doing this so as not to bruise the petals at all or the blooms will soon have the appearance of being old. As soon as you have the blooms at the stage where you can feel sure that they will be on time it is a good plan to harden the plants up a bit by giving a little lower temperature with plenty of ventilation to bring out the character of each individual bloom, which adds greatly to the beauty of the specimen.

CHAS. W. JOHNSON.

CHRYSANTHEMUM SOCIETY'S SILVER CUP.

The officers of the Cheysanthemum Society of America have decided to award a silver cup valued at $20 to the seedling chrysanthemum which averages the highest number of points. To be eligible in this contest, the seedling must be shown to at least three committees, and from their scoring an average will be made.

ELMER D. SMITH, Sec'y.

WORK OF THE COMMITTEES.

October 14, 1899.— Boston, Mass., Grove P. Rawson, Elmira, N. Y., exhibited Primo, a white, Japanese variety, scoring commercial scale 87 points. No report from other committees.

ELMER D. SMITH, Sec'y.

Dinner of the New York Gardeners.

The New York Gardeners' Society gave a dinner on October 14, at the Mott Memorial Hall, 64 Madison avenue. After a short business session, in which the regular November meeting was advanced one week to allow the members to attend the Tarrytown show, the society and its guests, representing the Tarrytown, Westchester, Putnam and New Jersey societies, sat down to the sumptuous repast prepared for them and when the convivial mercury had risen they were like the little boy who, in the absence of his father, was invited to ask the blessing and said, "O Lord, open thou our lips and our mouths shall show forth thy praise."

Patrick O'Mara presided as toastmaster, with his accustomed eloquence and wit, and the company, catching the spirit from him, responded and it was a late hour before the diners separated. Samuel Henshaw, of the Botanical Gardens, spoke of that work and urged the use of their collections by gardeners, promising in the near future a gathering that would bring together the gardeners of New York and outlying suburbs for the purpose of making them acquainted with the collection and each other.

James I. Donlan responded to "Decorative Art as Applied to Flowers," with a few words upon this but poorly understood and often neglected branch and his remarks were well received. Mr. Hamilton, of the New York Park Gardeners, interested all present with the efforts of that society to raise the position of the gardener in the public parks above that of the mere laborer, telling also how the pay had been advanced through their effort and a large greenhouse built, costing $35,000. He was warmly applauded.

The secretary of the New Jersey Floricultural Society alluded to the coming of the S. A. F., with its tendency to bring a closer union between the florists of New York and sister societies, where all would labor shoulder to shoulder for its success, and expressed the hope that future flower shows, instead of being regarded from a monetary point, would be viewed only as an educating influence and would be supported by the patronage of some institution like the New York Botanical Garden or from a sinking fund cheerfully contributed to this end. The president of the New Jersey Floricultural Society eloquently bore testimony to the excellence of the repast and the fraternal feeling everywhere manifest.

Thomas Coleman responded for the Tarrytown, John Shore for the Westchester and Richard Griggs for the Putnam county societies. Robert Angus played the violin and songs were given by Alfred Dimmock and George Smith.

A first-class certificate was awarded to Ernst Asmus for some fine Liberty roses and honorable mention to Richard Griggs for chrysanthemum Glory of Pacific. A vote of thanks was given for the beautiful and extensive table decorations.

A Floral Urn.

A detailed description of the handsome design illustrated is unnecessary, so well does the engraving show the details of its make-up. There is much in its conception that is artistic and pleasing to even a critical eye and no one will doubt that if the correct taste displayed here prevailed more generally in the designing of floral pieces much of the criticism that has brought the very name of "floral design" into disrepute might have been disarmed. The piece was made at the establishment of Julius A. Zinn, of Boston, to whom we are indebted for the photograph. The cherub perched on the arm of the urn adds greatly to the interest of the picture, but this is Mr Zinn's own property and not every florist is fortunate enough to possess a duplicate.

CARNATIONS.

CULTURAL NOTES.

October 21.—Our plants ought to be growing vigorously now; in fact we need to watch them carefully to see that the equilibrium is maintained between the top of the plant and the root. Root action can be induced by keeping the soil moderately dry. As nearly as I can learn the best rule to follow is to apply about one-third the amount of moisture to your soil that it will hold. We do not often get our operations down to quite such a fine point as this but we can use the rule as a sort of guide. This treatment may be maintained until about November 1 and by that time all plants housed early in September should have plenty of roots to carry them through the winter.

While chrysanthemums are not cutting quite so big a figure as in some former years, we carnation men do not want to cheapen the carnation by over-stocking the market with our flowers at this time. It is far better wisdom on our part to cut out all weak and inferior buds and allow only the very best to form flowers. Possibly these choicer flowers may not bring us as much money as we really ought to have for them, while the chrysanthemums are on, but if they do not we can rest assured that poorer ones would bring us scarcely anything. Even if we are not well paid for the better grade of flowers during October and November we are sure of their imparting as it were, a "tone" to our stock, which is bound to make our season's cut profitable.

The high prices of the past few weeks may have tempted some growers into forcing their stock but it is far too early in the season to ask extra work of our plants. I have seen forced plants on which there were on October 15 as many as eleven buds to a plant, requiring the whole strength of the plants for their development. To cut out seven or eight of these buds seems like throwing good money away, but it should not be looked upon in that light; it is simply an investment on which you draw dividends later in the season. The flowers left to open may not bring you as much money as the eleven would but instead of having eleven flowers within the next month, when they are little wanted, and possibly only one or two for Christmas, you will have three good ones now, and at Christmas enough to make a good dividend on your investment.

It is a pity the growers for the larger markets, who sell through the commission men, cannot make some arrangement to regulate the supply of flowers for dull seasons. There are other things beside the production of flowers that are necessary to our success in business and we are very apt to overlook them through our love for our work and products and the desire for quantity.

ALBERT M. HERR.



A FLORAL URN.

AMERICAN VARIETIES IN ENGLAND.

Among the carnations of American origin now offered by English growers are America, G. H. Crane, Maud Adams, Melba, Flora Hill, Triumph, Bridesmaid, Daybreak, Victor, Mrs. McBurney, Bon Ton, Evelina, Lily Dean, Mayor Pingree, Mrs. James Dean, Painted Lady, Empress, Mrs. Geo. M. Bradt and White Cloud. The favorites so far appear to be Flora Hill and White Cloud.

LOWELL, MASS.—Patten & Roberts have opened another establishment in Merrimack square.

WITH THE GROWERS.

JOSEPH HEACOCK, WYNCOTE, PA.

One of the most successful American Beauty growers for the Philadelphia market is Joseph Heacock, whose greenhouses are situated at Chelten Hills near Jenkintown. Here he has about 75,000 feet of glass in houses of good size, all of which are quite up-to-date in their various appointments. Like most other Philadelphia growers, Mr. Heacock is conservative and has done little building the past few years, although some little increase in glass was made this season by lengthening and widening two houses.

A recent visit to the place showed everything to be in "apple pie" order. There seemed scarcely a square foot of table space that was not covered with stock that was, to use a nautical phrase, pulling grandly. American Beauties are Mr.

Heacock's specialty. House after house, each one of which seemed to look better than the other, is filled with splendid plants of this rose. This state of excellence is not the result of chance, but was brought about by patiently working away, not being discouraged by failures, but noticing the mistakes and carefully avoiding them in future trials, until finally a system was perfected that is reasonably sure, always of course, with the exercise of the proper vigilance, to produce abundant crops of high grade flowers.

One of the houses is filled with plants of Beauty, the cuttings for which were not put in the sand until after the first of April. The bushes are now thirty to thirty-six inches high and growing vigorously. All the roses are on tables about three feet from the ground and the situation of the houses, on rising ground, enables one table to be set from six inches to one foot above the other. There is a walk in nearly all the houses next the outside, or, I should say, along either end and in the front or lower side of the house, the back table at the upper part being next the wall. This modern plan of moving the front table back and taking this space for the walk and placing the steam pipes against the front wall is, in Mr. Heacock's estimation, one of the greatest advances in greenhouse construction and arrangement. By keeping the walls dry the life of the house is greatly lengthened and, having the heating pipes at the coldest part, the temperature is kept more even. With the old arrangement the front table was always an annoyance, the plants so soon reaching the glass, when they had to be continually tied down and produced many crooked-stemmed buds.

The black spot used to be a great trouble but now good growers like Mr. Heacock are careful to not let it get ahead of them. He is continually picking off the affected leaves and keeping the plants as clean as possible. Keeping down red spider without encouraging spot requires nice syringing. Lonsdale's evaporating pans are the best thing Mr. Heacock has found for combatting greenfly. He uses five pans to a 100-foot house and has them in every house on the place. These pans are filled every afternoon with a strong tobacco water and as long as they are in use they are never troubled with greenfly. It is by far the best and most economical way to use tobacco as an insecticide. There are several oil barrels distributed about the sheds, which are kept filled with fresh tobacco stems, one filling of stems making two barrels of liquid, which is drawn off at the bottom by a spigot. Each day, as soon as emptied, the barrel is filled with water so as to be full strength when wanted.

The watering of the place is all done with tepid water, the heating of which is arranged for automatically by a thermostat which turns steam on or off a coil that is in the water tank. Manure water is also applied with a hose connected with a tank erected on the highest ground on the place. There are two tanks in fact; into one the manure is dumped from a cart and flooded with water which is strained and run into the other, from which, by force of gravity, it is carried to all parts of the place. The system is very complete and convenient.

The steam heating pipes are arranged in a novel manner. They are all carried on chains and suspended from the cross supports below the tables or from the roof of the house. This gives free play for expansion and contraction without interfering with the supports, as is often the case in the old methods. The steam main is always carried to the farthest end of the house, being covered to prevent condensation before the return or radiating pipes are reached, the steam returning through as many pipes as are necessary to keep the temperature at the required degree.

In addition to roses Mr. Heacock makes a specialty of palms and has a number of houses filled with arecas and kentias. Although comparatively a new departure, their cultivation being undertaken only about five or six years ago, he has been very successful and his stock is quite up to the standard of the best growers. He finds the areca to do best on the ground or table, rather than on a pedestal, as they require too much water to be grown that way. He uses considerable sand and peat in his potting soil, to make it quite porous. He, in common with other growers, has been trying to get up a large grade of arecas but the demands of the trade have kept using up the young stock so that it is hard to keep any to grow on. "We put on a good price to keep them," he said, "but the rising market catches up to our figure and we have to let them go." A few large twenty-five dollar plants which he has been able to get up are fine specimens.

A change in his partition doors between houses has saved Mr. Heacock quite a lot of valuable space, the doors all being made to slide on rollers instead of swinging. Mr. Heacock is one of the few growers who keeps a careful record of what each house pays him in the course of a season and soon drops an unprofitable crop. He is a hard worker but is at all times glad to entertain visiting craftsmen and show them about the establishment.

ROBERT KIFT.

Philadelphia.

FINE BERGMANN BLOOMS IN MARKET.—ROSES MORE PLENTIFUL.—"MOCK LIBERTY" OBTAINABLE BUT NONE OF THE REAL THING.—MANY ORDERS FOR PLANTS.—PENNOCK'S MODEL PLACE.—CARNATION MEN ARE SATISFIED.—FAKIRS SEEM SUPPLIED.—PARKER HAS DAHLIAS.

While chrysanthemums have been a trifle slow in making their appearance in this market the few that are in are of good quality and a look over some of the houses of the later kinds shows them to be in first-class shape, with an unusually heavy growth, larger flowers and entire freedom from disease. The Mme. Bergmann, sent in by Zimmer, of Collingswood, is clearly the best of this variety every seen here. The price for the best stock of all sorts has been $2 per dozen. Roses are about as last week. The warm weather, more like summer than fall, has increased the quantity considerably and prices, with the exception of Beauties, which have increased to $3.50 for the first grade, have weakened a trifle; $4 and $5 will now buy the very best, the lower grades selling down to $1 per hundred.

Liberty is not on the market as yet but the "Mock Liberty" is being offered. It looks something like a strong growing Agrippina or Louis Phillipe and can be cut with a very long stem. It blooms in clusters and several small buds generally surround each open flower. When the Liberty was first seen here and its virtues recognized a firm of growers not very far from Philadelphia imported this new crimson under the impression that they were getting the famous Liberty. They soon found out their mistake. It, no doubt, has a name, but it is sold by merit and not by name at the present time. While the color is good, in substance it appears to be too soft and single to become a standard sort. "The demand for the Liberty increases with each mail," says Alexander Scott, of Robt. Scott & Son. "I doubt if we can raise enough plants by the date advertised for delivery to supply the demand."

S. S. Pennock's improved storage plant is a model. It is probably the most perfect system in this country for handling cut flowers economically and keeping them in a perfect condition. There are two cool rooms each eleven by twenty-two feet, inside measure, and twelve feet high, every square foot of which is made available by specially arranged shelves. By the refrigerating machinery placed in the cellar and driven by an electric motor the temperature is kept at from 40° to 45°. The cooling pipes, attached to the ceiling, are out of the way and take up no otherwise available space. Mr. Pennock's establishment is now open all night, three night men being employed, who receive flowers and ship orders. Stock that formerly arrived early in the morning is now received at night, the flowers sorted, graded and made ready for the earliest morning trade. Four clerks in the office and nine in the store are required to manage this large and increasing business.

Lily of the valley is becoming more plentiful. Three large out of town growers now have agencies in this city and with the local talent are likely to keep the market fairly well supplied. Carnations are coming in more freely and are steadily improving; $1.50 to $2 per hundred is the price, with a few specials at $3. All the carnation specialists are well satisfied with the situation and say their plants never looked better. Scott, Daybreak, Victor, Triumph and Dana lead in the pinks, Flora Hill, White Cloud and McGowan in the whites while Liberty, America and Portia furnish the reds.

Business is good though a trifle slower than last week. There is not much surplus apparent but the fakirs seem to have no trouble to keep their cases full. Violets, particularly the single varieties, are now plentiful; prices range from 30 cents to 50 cents per hundred. Doubles are improving but are far from standard as yet, 50 cents to 75 cents per hundred is the price.

Edward Parker is handling some nice dahlias, having found a grower whose plants were in a sheltered situation and escaped the killing frost of two weeks ago. Several patches of cosmos seem to have survived as well, as quite a little of this fall favorite is seen.

K.

New York.

OVER-STOCKS THE RULE.—ROSES SUFFER MOST.—VIOLETS AND ROSES VERY POOR.—THE FIRST PAPER WHITES.—COMMISSION MEN OFFER LIBERAL PRIZES.

There is an over-stock of flowers in all lines at present, due mainly to the prevailing warm weather, and this, added to the effect of the rapidly increasing chrysanthemum cut, has made the situation exceedingly unpalatable to growers and commission men in the rose market. Carnations suffer less than the roses and are of better average quality. Roses have never been much poorer than at present and it will take cooler weather to make any change for the better. Violets, as a

rule, are equally poor, but there are a few growers who seem to be able to manage their violets regardless of what the weather may be and these are sending good flowers and getting good money for them. The first paper white narcissi were seen at Raynor's on October 11. They were of excellent quality.

Young & Nugent have offered a prize of $50 for a collection of one hundred roses to be competed for at the exhibition of the Morris County Gardeners' and Florists' Society at Madison on November 7 and 8.

Visitors in town: Wm. Nicholson, Framingham, Mass.; Benj. Dorrance and Mrs. Dorrance, Dorrancetown, Pa.

Boston.

SLUMP IN THE ROSE MARKET.—GREAT GLUT OF STOCK.—CARNATIONS IMPROVING.—CHRYSANTHEMUMS NOT PLENTIFUL AS YET.—DEWEY KILLS THE FLOWER TRADE.—NORTON STEALS THE ADMIRAL'S THUNDER.—CARNATION MATTERS AND OTHER JOTTINGS.

The warm weather of the past week has brought to this market a perfect avalanche of roses. Rarely at this time of the year has such a glut been precipitated. Growers are sending in four or five times the cut of two weeks ago and buyers are calling for about one-third of what they wanted then. The result is that values have gone to pieces and the big accumulation is gladly unloaded, even at $5 a thousand, on the street fakir. American Beauty has increased in quantity so much that it is impossible to maintain rates on any grade. Meteors are very poor, for some reason, but sell perhaps better than any other variety just at present. Roses in the aggregate are soft and show the ill effects of the high temperature.

Carnations are improving greatly and those coming in now are of good winter quality, but the quantity offered is so large that prices have dropped away back. White varieties are selling much better than the colored sorts. Violets are exceedingly poor, being unable to stand the weather which seems to have been so beneficial to the carnation, and the sale drags. In chrysanthemums, Glory of Pacific and Bergmann are the principal varieties offered in quantity, the former bringing about fifty per cent the better price. Of yellows there are but few seen as yet and they, on account of their scarcity, are easily sold at a considerably higher rate. Lily of the valley holds its own fairly well. Cosmos is still seen occasionally, from beds protected by glass, evidently, as the outdoor crop was completely killed by the early frost.

Last Saturday was "Dewey Day" in Boston. In the flower trade it was noticeable particularly for the fact that no flowers were sold and so it was the worst day in that respect seen this season. The decoration of the City Hall and surroundings with laurel festooning was done beautifully by W. E. Doyle but other than that the decorations were universally of bunting or electric lights. M. H. Norton was mistaken for the great admiral while driving down Beacon street and was forced to doff his hat to the crowd of admirers that followed him, cheering.

Donald Carmichael, of Wellesley, is cutting flowers from two handsome seedling carnations which appear to be much above the average. One is of Scott habit and Tidal Wave color; the other is a white with Tidal Wave habit.

Cassidy & Fitzgerald, two young men formerly in the employ of W. E. Doyle, have opened a flower store at 315 Broadway, South Boston.

A. J. Howard & Son are sending carnations of unusually fine grade to Welch Bros.

It is said that the Lawson carnation is to be put on the market the coming spring.

Chicago.

GOOD OUT OF TOWN TRADE.—STOCK MUCH MORE PLENTIFUL.—VIOLETS IN THE DUMPS.—CORDREY RETURNS TO THE TRADE.—MEETING OF THE HORTICULTURAL SOCIETY.—PLANS FOR FALL SHOW.—ANNUAL MEETING OF FLORISTS' CLUB.—JOTTINGS HERE AND THERE IN FLOWER CIRCLES.—VISITORS.

This week began with some of the best shipping business ever recorded in mid-October and prices remained reasonably firm on good stock. True, there have been too many Bride and Bridesmaid roses for ten days past but Meteors and Beauties have not been in over supply. Neither have carnations exceeded the demand, although the cut is increasing in quantity and improving in quality. There are a great many Daybreaks again this season although they were too extensively planted last year. Chrysanthemums are now in force and will hold the center of the stage for a month or six weeks. It is the general report that the blooms are a little late this year but are better than usual. Some good Glory of Pacific and Mrs. Robinson have been in this week and have moved promptly. In fact many of the dealers are anticipating better results with chrysanthemums than for several seasons. Some of them are even counting that the heavy rose cut will be off shortly and leave a wider range for the fall flower. Violets are already fakirs property! Never since the memory of man runneth not to the contrary have there been so many and so good violets in this market at this season. On Tuesday afternoon one house claimed to have 20,000 in the ice box and others had their share.

There was a large attendance at the annual meeting of the Florists' Club, Friday evening, October 20. The sum of $50 was appropriated for premiums for the fall show of the Horticultural Society of Chicago and the following officers were elected: President, James Hartshorne; vice-president, F. F. Benthey; recording secretary, C. W. McKellar; financial secretary, John Degnan; treasurer, Edgar Sanders; trustees, J. B. Deamud, A. L. Vaughan, Alex Henderson, C. M. Dickenson, E. F. Winterson. Four new members were accepted, J. B. Deamud, J. V. Merrion, Alex. Newitt and Ernest Marland. It was decided to give a banquet to the visitors during the flower show.

At the regular quarterly meeting of the Horticultural Society last Saturday much routine business was transacted in connection with the coming chrysanthemum exhibition. Twenty-five new members were elected and the day of meeting was changed from the second Saturday to the second Tuesday of each quarter. The executive committee held a meeting Thursday, advancing exhibition work materially. The show prospects are excellent, except that chrysanthemums are reported late.

T. J. Corbrey, who for a number of years previous to March, 1896, was in the wholesale commission business, has secured a ten-years' lease of the property at 1409 and 1411 W. Madison street, and is erecting a retail store connected with a showhouse. The store is 22x38 feet with front of buff pressed brick with stone trimmings. The show house is 24x30 feet, even span, the rafters being 12½ feet on either side, with a 12-foot ridge. The sash are furnished by the Jno. C. Moninger Co., who are also putting in their new ventilator. Both store and house will be heated by hot water. Mr. Corbrey does not expect to have things in shape until about December 1.

Mangel has a very fine store in the residence district at Forty-seventh street and Lake avenue. It is a large room and he is enabled to carry a good stock of plants and bulbs as well as cut flowers. Trade is starting well with him.

Poehlman Bros. have specimen chrysanthemum plants which are selling well at from $1 to $2 each. Some of the larger ones have as many as seventy-five blooms and all are well shaped.

The Hinsdale Rose Company will cut 4,500 chrysanthemums this season, an increase of fifty per cent over last year. They have twenty-nine varieties on the place and report them all in good shape.

Capt. H. Schuenemann, who is up the lakes for his annual cargo of greens, is reported to have orders for 60,000 feet of roping from South Water street houses.

Wietor Bros. are now cutting a good crop of carnations and of all the new varieties on the place are most enthusiastic over G. H. Crane.

Bassett & Washburn are selling violets for Robert Klagge, of Mt. Clemens, Mich., who is one of the best growers in the country.

The chrysanthemum committee viewed no seedlings on the first two Saturdays of its season.

Peter Grosse has embarked in business as a grower at Touhey avenue and Robey street in Rogers Park.

Lincoln Park will have a revenue of $241,000 this year.

Visitors: B. Eschner, of M. Rice & Co., Philadelphia; Henry Smith, Grand Rapids, Mich.; Mrs. C. W. Pike, Racine, Wis.; Adam Zender, Milwaukee; Walter Mott, representing H. A. Dreer Co.; E. G. Hill, Richmond, Ind.

Baltimore.

The glut that usually follows the advent of chrysanthemums is on in full force.

The bowlers are working away at the Diamond alleys every Wednesday night.

Mr. Akehurst is said to run the most glass successfully with the least help of any one in town.

I. H. Moss is putting up another house 16x200.

The new firm of Perry & Welsh are making a fine start. MACK.

ELLSWORTH, ME.—The Dutton greenhouses have been purchased by Miss Mary A. Clark. Albert Stover will remain in charge.

MONTREAL, CAN.—S. S. Bain had a considerable consignment of European plant novelties aboard the Scotsman, recently wrecked on Belle Isle.

BROCKTON, MASS.—Copeland & Cooper have dissolved, Mr. Cooper taking the Main street store and Mr. Copeland the greenhouses. Mr. Cooper has bought the Crawford greenhouses, Mr. Crawford retiring from business. Thos. Greaves remains in charge of the greenhouses.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

A. B. HOWARD's new zinnias will be put on the market next year.

CULTIVATE your bump of caution; don't be "meat" for the palm swindler.

IT is believed that sheaves will advance in price on account of the poor grain crop.

THE indications are that Manetti stocks will be exceedingly scarce this season.

NOW is the time to prepare to give a chrysanthemum show of your own. It will prove a trade winner.

O. P. BASSETT, of Chicago, believes that the cut blooms of Mrs. Bradt carnation will not average so good returns as last year because of increased production.

CARNATION blooms can be safely shipped long distances in glass bottles hermetically sealed, the flowers being quite fresh in appearance and of good lasting quality after unpacking.

THE Allegheny hollyhock was a boon to many dealers the past season for the reason that it blooms freely from seed the first year if sown early. The severe winter cleaned out the autumn sown lants in many sections.

IT is an interesting fact that the white chrysanthemum Mrs. Jerome Jones was cultivated by our growers about half a dozen years before it produced a yellow sport, and then it produced yellow sports simultaneously at many widely separated points.

THE managers of the New York Botanical Garden have adopted resolutions expressing their sense of loss in the deaths of Cornelius Vanderbilt, their first president, and Hon. Chas. P. Daly, who was a willing worker throughout the constructive period of the garden.

REFERRING to thrips, a careful experimenter recommends pyrolignite of nicotine, one part of the pyrolignite to ninety of water, applied in the form of spray, as an efficacious remedy and preventative. We shall be pleased to hear from any grower who may have tried it.

Lilium Rubellum.

A circular on this plant and its culture, apparently written by G. W. Rogers, of Yokohama, Japan, is being circulated in the trade. The author, however, is none other than our esteemed friend Peter Barr, of London, England. It is unfortunate that Mr. Barr was not given credit for the valuable information which this circular conveys. With all due respect to Mr. Rogers, the opinion of Mr. Barr on this and other bulbous plants is the more significant.

Chrysanthemum Society Committees.

The committees judging seedling chrysanthemums will be in session October 7, 14, 21 and 28, November 4, 11, 18 and 25. Exhibitors should make their entries, for which a fee of $2 is charged for each variety entered, to the secretary not later than Tuesday of the week they are to be shown. All exhibits forwarded to the following addresses, express charges prepaid, will receive careful consideration:

Boston, Mass., A. H. Fewkes, Horticultural Hall, Tremont street.

New York, N. Y., E. Dailledouze, care New York Cut Flower Co., 119 West Twenty-third street.

Philadelphia, Pa., A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O., A. Witterstaetter, care Cincinnati Cut Flower Co., Fourth and Walnut streets.

Chicago, Ill., C. W. Johnson, care Illinois Cut Flower Co., 51 Wabash avenue. ELMER D. SMITH, Sec'y.

Greenhouse Building.

Pine Bush, N. Y.—F. T. Howell, house 10x86.

Whitestone, N. Y.—Louis Dupuy, two houses 25x425, three houses 25x218.

Woburn, Mass —F. E. Gustin, range of houses.

Ivoryton, Conn.—Judge Walkley, one greenhouse.

Barre, Vt.—Chas. Emslie, two commercial houses.

North Andover, Mass.—J. G. Chadwick & Sons, one greenhouse 40x224.

South Lawrence, Mass.—G. W. Wells, one conservatory.

Mystic, Conn.—H. M. Fitch, one carnation house.

Rutland, Vt.—C. H. Miles, three commercial houses.

Cazenovia, N. Y.—F. G. Lee, one conservatory.

Antrim, N. H.—Dr. Cooley, one conservatory.

Coeridge, O.—A. M. Coe, house 18x50.

Owatonna, Minn.—Lord & Johnson, one house.

Helpful Reminders.

Your salesroom or front house should be fitted up and arranged to display to advantage the best you have to offer. Do not try to show all you have at once, however. Palms and ferns are best adapted for the permanent decoration of such a house but asparagus and other foliage plants may be used with effect. Arrange the plants so that a few specimen chrysanthemums may be raised on stands to show conspicuously with a background of green. After your customer has admired them, should he want something not displayed, invite him into the houses, where you should be able to meet his wants. You must have a room in which to show seasonable stock. You may have pretty things in several out of the way corners but if you wish to sell them you must let the people see them.

Hydrangeas should all be housed, and potted carefully in the very best soil you have. The plants prefer at present a temperature cool enough to prevent new growth but the proper ripening of the foliage is necessary, for the nutriment stored for the starting of new growths is produced by the natural ripening processes. If short of room the space under the edge of a bench will do with a fair light, provided there is not much drip from above and no heating pipes near by. Many rules are given for growing this plant but the important point is to preserve the old foliage until it has dried without allowing either decay or wilting to take place.

Lopezia rosea should receive its final shift now and the plants should be placed a good distance apart and raised on a stand or inverted pot to permit some of the stems to droop. Solanum Seaforthianum should also have an opportunity to droop as it is then extremely valuable in boxes of assorted flowers. After cutting it should stand in water over night before use.

C. B. W.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

CHICAGO, Nov. 7-11.—Chrysanthemum show, Hort. Society of Chicago. Willis N. Rudd, Ass't Sec'y, Room 202, 185 Dearborn St.

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

BOSTON, MASS., Nov. 7-10.—Chrysanthemum show, Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society, Alex. Maclellan, Sec'y.

WORCESTER, MASS., Nov. 8-9.—Chrysanthemum show, Worcester County Hort. Society. A. A. Hixon, Sec'y, 18 Front St.

POUGHKEEPSIE, N.Y., Nov. 8 10.—Annual exhibition, Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill.

TARRYTOWN, N. Y., Nov. 10-11.—Chrysanthemum show, Tarrytown Hort. Society. Wm. McCord, Sec'y.

PROVIDENCE, R. I., Nov. 9-10.—Chrysanthemum show, Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St., Providence.

BUFFALO, N. Y., February 15-16, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

BROCKTON, MASS., Nov. 1-3.—Exhibition of Brockton Gardeners' and Florists' Club. Walter E. Baker, Sec'y, Box 220, Campello, Mass.

WACO, TEXAS, Nov. 15-17. Fourth Chrysanthemum show, Texas State Floral Society. Miss Bella Beer, Sec'y, Waco, Texas.

ST. LOUIS, MO., Nov. 14-18.—Chrysanthemum show, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

PHILADELPHIA, PA., Nov. 7-11.—Annual exhibition, Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Broad street.

BALTIMORE, MD., Nov. 13-18.—Chrysanthemum show, Gardeners' Club. J. J. Perry, Sec'y, 36 W. Lexington street.

HARTFORD, CONN., Nov. 7-10.—Chrysanthemum show, Connecticut Hort. Society. C. H. Boykett, Sec'y, Hartford.

MADISON, N. J., Nov. 7-8.—Fall show Morris County Gardeners' and Florists' Society, Chas. H. Atkins, Sec'y, Madison.

ELMIRA, N. Y., Nov. 14-15. Chrysanthemum show. Elmira Hort. Society. R. R. Stockdale, Sec'y.

ORANGE, N. J., Nov. 15.—Show of New Jersey Floricultural Society, J. B. Davis, Sec'y, Orange.

Troubles of Petunia Roots.

ED. AM. FLORIST:—Under separate cover I am sending you some roots taken from a double petunia which I lifted from the garden. It was planted where last year I had some roses which I was suspicious were infested with eel worms. Please give probable cause of the peculiar growth of roots? Do eel worms attack other plants than roses? U. P.

The peculiar growths on the petunia roots received from "U. P." are root galls, which have been produced by nematodes, or eel worms. After their attack on the roses on the same ground last season they doubtless remained in the soil. These worms also injure tomatoes, cucumbers, violets, petunias and numerous other economic and ornamental plants. There are many species of nematodes, but it is probable that the "root knot" disease is always caused by the species Heterodera radicola, which also attacks other parts as well as the roots. B. T. GALLOWAY.

Omaha.

ANNUAL MEETING OF THE FLORISTS' CLUB.—ELECTION OF OFFICERS.—REPORT OF SECRETARY HENDERSON.

The Nebraska and Iowa Florists' Club held its annual meeting October 12 in its new hall at 1415 Farnam street. There was a large attendance and much good fellowship. In the election of officers President J. J. Hess and Secretary Louis Henderson were retained, Sam. Faulkner was chosen vice-president, J. H. Hadkinson, treasurer, George Swoboda, Paul Paulson and Wm. Ellsworth, trustees.

Secretary Henderson presented his report, which told, in poetic language, of the prosperity which has attended the club during the past twelve months and of the good work which has been done in the interests of floriculture and by uniting the trade in Nebraska and Iowa in the fraternal spirit which has pervaded the eleven meetings which the club has held.

Sympathetic resolutions were adopted upon the demise of Mrs. John Ederer.

Resolutions of New Jersey Society.

Following are the resolutions upon the demise of Wm. Macmillan adopted by the New Jersey Floricultural Society:

WHEREAS, In the death of William Macmillan, superintendent of the Essex County Parks and one of our active members, not only this society, but the whole community, has sustained a great and irreparable bereavement; therefore be it

Resolved, That we lament a valued fellow-member, and a kindly and sympathetic man seeking unceasingly for opportunities to advance floriculture, the art for which we all labor and in which he had risen to a recognized prominence.

Resolved, That we cherish with loving recollection the memory of his bright example, of his pure and generous nature, of his tender solicitude for the material success of others, of that gentle and considerate disposition that during a long and unselfish life, accompanied the strictest integrity, the highest honor and the most exalted piety.

Resolved, That the secretary be directed to transmit to the family of the deceased a copy of these resolutions and that they be included in the minutes of this meeting.

Catalogues and Cut Flower Price Lists Received.

Iowa Seed Co., Des Moines, Iowa, birds and aquarium supplies; Suzuki & Iida, New York, N. Y., bulbs, seeds and plants; Harlan P. Kelsey, Boston, Mass., trees, shrubs and plants; Lee's Summit Star Nurseries, Lee's Summit, Mo., trees, shrubs and plants; W. K. Nelson, Augusta, Ga., roses; The Cassel Nursery Co., North Clayton, Ohio, fruit trees; W. J. Godfrey, Exmouth, Devon, England, carnations; Abendroth Bros., New York, N. Y., boilers; Shreveport La. Nurseries, Shreveport, La., fruit trees; W. L. Rock, Kansas City, Mo., cut flowers and florists' supplies; Lake View Rose Gardens, Jamestown, N. Y., cut flowers and florists' supplies; Cincinnati Cut Flower Co., Cincinnati, Onio, cut flowers; Bassett & Washburn, Chicago, cut flowers and florists' supplies; Welch Bros., Boston, Mass., cut flowers; E. C. Amling, Chicago, Ill., cut flowers; Wm. F. Kasting, Buffalo, N. Y., cut flowers; J. B. Deamud, Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., cut flowers; Holton & Hunkel Co., Milwaukee, Wis., cut flowers and florists' supplies.

Resolutions of Nebraska and Iowa Florists.

At a meeting of the Nebraska and Iowa Florists' Club October 12 the following resolutions were adopted:

WHEREAS, It has been the will of Almighty God, by the hand of death, to take from our midst Mrs. John Ederer, be it

Resolved, That the members of the Nebraska and Iowa Florists' Club feel a personal grief in her death and a loss to the community.

Resolved, That we tender Mr. Ederer and family our sympathy in the sorrow they are called to bear.

Resolved, That these resolutions be spread on the minutes and that a copy be transmitted to the family of the deceased.

OBITUARY.

CHAS. BATES.

The recent demise of Charles Bates is chronicled at Hingham, Mass., as the result of disease of the heart. Mr. Bates was a veteran of the Civil War, aged 58 years, and had been in the florist business at Hingham for twenty years.

CHAS. WIESE.

Charles Wiese, who has, for the past ten years, been gardener upon the W. W. Law estate, one of the finest at Yonkers, N. Y., died at Ossining Hospital on October 6. Cancer was the cause of death. Mr. Wiese was 50 years of age and was well known in his profession.

W. A. FERRIS.

William A. Ferris, nurseryman at Darien, Conn., died quite suddenly on October 6 while visiting at the home of his father at South Norwalk. He was 35 years of age and his untimely demise was the result of a cold which quickly developed into congestion of the lungs.

C. W. REHBEIN.

Charles William Rehbein died at his home 115 Washington street, New Haven, Conn., October 6, after a brief illness, with pneumonia. The deceased had a fine business on Howard avenue. He was not married but leaves three brothers and two sisters. He was a member of Humboldt Lodge, I. O. O. F., and Connecticut Rock Lodge, F. and A. M., the latter conducting the largely attended funeral on Sunday, October 8. Interment was at Evergreen Cemetery.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By reliable florist, private or commercial. E, care American Florist.

SITUATION WANTED—Store or greenhouse, as designer and salesman. Best of references H S, care American Florist.

SITUATION WANTED—Rose grower; 10 years' experience in largest commercial places. Best references. Address C H M, care Am. Florist.

SITUATION WANTED—By young florist on commercial place; 6 years' experience. Good references. JOHN CHRISTENSEN, 388 6th Ave., New York.

SITUATION WANTED—Private place, by Englishman; twelve years' excellent character. WARREN, 172 Bogge Ave., Mt. Washington, Pittsburg, Pa.

SITUATION WANTED—By young man as assistant in greenhouses. Experience equivalent to about four years. To begin about Jan. 1st. Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—As foreman, capable of taking charge; good grower of roses and general stock; 10 years in last position growing for Chicago market, or could fill a private place. References. Address WM. KIRKHAM, Box 411, Maywood, Ill.

SITUATION WANTED—By first class florist and gardener; 21 years' experience, 39 years old, married, 2 children, German. Last position was as head gardener of a large government establishment. Private or commercial. Best of references. Address C K, P. O. Box 95, Leavenworth, Kans.

WANTED—A good, young man for work around greenhouses; state wages. Address P A P C, care American Florist.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—Single man with experience in rose growing; $18 a month and board to start. Address MORTON GROVE GREENHOUSES, Morton Grove, Ill.

WANTED—First-class single man; must appear well and must be good salesman and decorator. Must also come well recommended SMITH & FETTERS, Cleveland, O.

WANTED—Catalogs of seeds nursery and florists' supplies. Also from four to five hundred feet of 4 inch pipe. State price. T. J. COBBREY, 1409-1411 W. Madison St, Chicago.

WANTED—Two experienced rose growers; must fully understand cutting and syringing roses. Also wanted one man for firing steam boilers. Address H. SIMPSON, Edgely, Bucks Co., Pa.

WANTED—A good steady man who understands the growing of roses, carnations and general stock. Wages $25.00 per month with board and room. Address MICHIGAN, care American Florist.

WANTED—Two good palm and fern packers; also palm and fern grower. Steady work for right man, with opportunity to learn full line of commercial work—retail, wholesale, mail. Address with full particulars. VAUGHAN'S SEED STORE, Box 688, Chicago.

WANTED—A partner with some capital to take half interest in my business; have now 7,000 ft. of glass. A good chance for a good man; must come well recommended and understand the business of growing roses, carnations, 'mums and bedding plants. Located in western part Massachusetts. A R, care American Florist.

WANTED AT ONCE—Good propagator of general stock, with knowledge of growing roses and carnations and all-around man of pleasant address. Good references as to character and ability. Salary, $30 per month with room and board to start; if satisfactory, $35 for second month, $40 for third month or more. German preferred, but not absolutely necessary. J. D. PRUESSNER, Galveston, Tex.

FOR SALE—Good plant and cut flower business, 10,000 feet glass, good market garden of 10 acres; good five town of 12,000. Reason for selling, death of owner. MRS JULIA STEINHAUSER, Admr., Pittsburg, Kan.

GARDENER WANTED

To take charge of our greenhouses. Excellent opening for the right man.

W. N. RUDD, Mount Greenwood, Ill.

A RARE CHANCE. The proprietor of a well-established place of 15,000 square feet of glass in a town of 60,000, about 60 miles from Philadelphia, desires to retire and will sell his stock, ALL IN FINE SHAPE, and lease the place for a number of years to party who is reliable and who has small capital. This is a profitable retail business, of which further particulars may be had by addressing..... ROBERT CRAIG & SON, Market and 49th Sts., PHILADELPHIA.

WANTED

BEAUTY GROWER.

We have a good place for a first-class grower of American Beauties, and no place at all for an inefficient man. If you are our kind, apply to

M. WEILAND, EVANSTON, ILL.

FOR SALE OR RENT.

10,000 FEET OF GLASS.

Commercial place of.....

R. D. BAKER,

Box 122, Canon City, Colo.

Cincinnati.

GOOD BUSINESS.—CHRYSANTHEMUMS ON IN FORCE.—MEETING OF THE CLUB.—SELECTION OF JUDGES.—A GOOD SPECIMEN OF ASPARAGUS.—ROBERTSON TO LEAVE.

Social events, weddings and funerals have used up nearly all available flowers the past week and the stores have done a good business. Chrysanthemums are coming in freely and will soon have possession of the market. Julius Schuman, of Newport, Ky., had some well grown Bergmann pot plants in market and will cut his first yellow and white Robinson this week. Roses have been quite equal to the demand, with prices firm. Carnations have advanced in price to $1.50, which is considered a good figure at this time of the year. Violets are more plentiful but there is only a light demand. Princess of Wales makes the best showing.

On Saturday, October 14, the regular monthly meeting of the Society of Cincinnati Florists was held, with President Wm. Murphy in the chair. The various committees reported and after the regular routine business had been transacted some time was taken up in selecting judges for our monthly shows, which are to be held on a more elaborate scale than in previous years. Theo. Bock, Fred. Walz and Geo. Corbett were chosen. The schedule for the ensuing season was distributed and was well received. Any one wishing a copy may apply to the secretary, Geo. Bartlett, 34 Main street. W. Robertson, gardener to G. G. Schmittlapp, had on exhibition a specimen plant of Asparagus Sprengerii with sprays six feet long. Mr. Robertson will soon leave to accept a position as foreman at the Colgate Hoyt grounds, Oyster Bay, L. I., and we regret very much to have him go. H. SCHWARZ.

Wholesale Flower Markets

CINCINNATI, Oct. 19

Roses, Beauty	10.00@25.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 5.00
" Perle	3.00@ 4.00
Carnations	1.00@ 2.00
Lily of the Valley	4.00
Narcissus	4.00
Chrysanthemums	10.00@15.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Oct. 19.

Roses, Beauty	8.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 5.00
" Perle	3.00@ 5.00
Carnations	1.00@ 2.00
Lily of the valley	4.00@ 5.00
Violets	.40@ .60
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Oct. 18.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4.00@ 5.00
" Perle	3.00@ 5.00
" Meteor	4.00@ 6.00
" Kaiserin	5.00@ 8.00
Carnations, fancy	1.50@ 2.00
Adiantum	1.00
Common ferns	.25
Smilax	15.00
Asparagus	60.00

PITTSBURG, Oct. 19.

Roses, Beauty	5.00@35.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	4.00@ 8.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Violets, double	.60@ 1.25
" Californias	.30@ .60
Chrysanthemums	6.00@15.00
Smilax	15.00
Wild Smilax, per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus bunches	.25
" strings	.35 to 50c
" Sprengerii, bunches	.35 to 75c

VALLEY.

Beginning October 15th, the forcing of Lily of the Valley will be commenced at the Rosebank Nurseries, and shipping will begin three weeks later. From that time on Valley will constitute one of the special products of Rosebank and will be constantly on hand, both summer and winter.

It is the intention of the management to make the Rosebank Nurseries headquarters for this product, and to that end a special offer of three dollars per hundred has been made to the trade on a contract for a year's supply. This offer is now withdrawn, and a new price of $3.50 per hundred is made to hold throughout the year to regular customers.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

CHRYSANTHEMUMS!

Handling as we do the finest stock that comes to the Chicago market, we are able at all times to supply your wants no matter what grade or price.

Orchids, Cattleyas. $5.00 per doz. Dendrobiums, 3.00 "

Violets, Double, $1.25 per 100. Single, .50 "

Valley, first-class stock always on hand.

Roses, high-grade stock a specialty.

Carnations, a very large quantity of standard sorts.

WE ARE HEADQUARTERS OF FANCY CARNATIONS.

We can supply everthing in season.

...J. B. DEAMUD, SUCCESSOR TO ILLINOIS CUT FLOWER CO.,
51 Wabash Ave., - - - - CHICAGO, ILL.

Wholesale Cut Flowers
705 PENN AVE. 'PHONE 2157.
Am. Beauties — Chrysanthemums
PITTSBURGH CUT FLOWER CO. LTD. FORT PITT A. D. 1763 COL. BOQUET. PITTSBURGH, PA.
CONSIGNMENTS SOLICITED.
Florists' Supplies

G. L. HUSCROFT & CO.,
Wholesale Florists,
444 Sixth Ave., PITTSBURG, PA.
Long Distance Phone 2985. CONSIGNMENTS SOLICITED. We command a good market.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.
P. O. Box 103, MILWAUKEE, WIS.

Cincinnati.. Cut Flower Co.,
W. A. MANN, FRANK W. BALL.
416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

Catalogue Illustrations.
We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....
THE AMERICAN FLORIST CO.

If You Have Stock To Sell...
the best way to make that fact known to the trade is by regular advertising in
Give it a trial.
...The American Florist.

800,000 FEET OF GLASS.

REINBERG BROS.

Wholesale Growers of

CUT FLOWERS

We can fil all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

WE NOW CLOSE AT 6:30 P. M. SUNDAYS AND HOLIDAYS AT NOON.

Wholesale Price List.

AMERICAN BEAUTY		
30-36-in. stem	per doz.,	$3.50
24 "	"	2.50
20 "	"	2.50
15 "	"	2.00
12 "	"	1.50
8 "	"	1.00
METEOR	per 100,	4.00 to 5.00
BRIDESMAID	"	3.00 to 4.00
BRIDE	"	3.00 to 4.00
LA FRANCE	"	4.00 to 5.00
PERLE	"	3.00 to 4.00
CARNATIONS	"	1.50 to 2.00

Quotations subject to change without notice. All other stock at lowest market prices.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS.

FULL LINE OF ALL Florists' Supplies

Fall Bulbs Of All Kinds.

Write for quotations on your wants now.

WE ARE NOW CUTTING NEW

Brides, Maids and Beauties....

GEO. A. KUHL, Pekin, Ill.

ROSES

G. Van Bochove & Bro., Growers,

.....KALAMAZOO, MICH.

Fresh A No. 1 Stock.

TRY US.

Now Ready!

The American Florist Company's..

DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....

AMERICAN FLORIST COMPANY

324 Dearborn St., CHICAGO, ILL.

There are buyers for all kinds of stock advertised in the American Florist

Wholesale Flower Markets

CHICAGO. Oct. 20.

Roses, Beauty, extra long stems		3.50
" " 24 inch "		2.50
" " 20 " "		2.00
" " 15 " "		1.50
" " 12 " "		1.25
" " 8 " "		1.00
" Bride		3.00@ 4 00
" Bridesmaid		3.00@ 4 00
" Perle		3.00@ 4.00
" Meteor		4.00@ 5.00
" Kaiserin		4.00@ 5 00
" La France		4.00@ 5 00
Carnations		1.50@ 2.00
Violets, double		.35@ 1.00
" single		.35@ .75
Lily of the Valley		4.00@ 5 00
Cattleyas	per dozen	5 00
Dendrobiums	"	3.00
Chrysanthemums, medium		4.00@ 8 00
long		15.00@20.00
Mignonette		1.00@ 2 00
Adiantum		.50@ 1.00
Common ferns		.15
Fancy Ferns		.20
Smilax		10 00@15.00
Asparagus		50.00

TEXAS SEED AND FLORAL CO.

Wholesale Florists,

DALLAS, TEXAS.

Consignments of choice Roses and Carnations solicited.....

We wish to make arrangements with a few first-class growers for regular consignments. Correspondence solicited.

Tell them where you saw the ad.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

Tell your wants in the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

COMMENCING OCTOBER 16th, WILL BE OPEN FROM 12:01 A. M. MONDAYS TO 10:00 P. M. SATURDAYS.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

GALAX LEAVES

AND LEUCOTHOE SPRAYS.

To Dealers Outside of N. Y. State:

Choice Galax.....$0.40 per M

Choice Leucothoe.....2.00 "

Special prices to wholesale dealers. J. N. PRITCHARD, Elk Park, N. C.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Oct. 18.

Roses, Tea	2.00@ 3.00
" " extra	4.00@ 5.00
" Beauty, extra	15.00@30.00
" " firsts	10.00@15.00
" " seconds	6.00@10.00
Carnations	.75@ 1.50
" fancy	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	35.00@50.00
Smilax	15.00@20.00
Adiantum	1.00

BOSTON, Oct. 18.

Roses, Beauty, select	10.00@35.00
" " ordinary	3.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" Kaiserin	2.00@ 4.00
Carnations, ordinary	1.00@ 1.50
" fancy	1.50@ 2.50
Lily of the valley	2.00@ 4.00
Violets, single and double	.50@ .75
Chrysanthemums	1.00@ 8.00
" special	12.00@18.00
Cosmos	1.00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

EDWIN A. PARKER,

Wholesale Florist,

2408 Rosewood St., - PHILADELPHIA.

Consignments of Roses, Carnations and Violets solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

BOSTON FLORISTS' EXCHANGE....

HEADQUARTERS for choice Roses, Violets, Carnations and Chrysanthemums.

Consignments Solicited.....

22 Chapman Place, BOSTON, MASS.

J. M. COHEN, Prop. TELEPHONE 2385

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. rice list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on app'ication.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

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404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
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Wholesale Flower Markets

NEW YORK, Oct. 18.

Roses, Beauty select	10.00@25.00
" ordinary	2.00@ 9.00
" Bridesmaid, Bride, Morgan	.50@ 4.00
" Kaiserin, Meteor	1.00@ 4.00
Carnations	.50@ 1.00
" fancy	1.00@ 2.00
Lily of the valley	2.50@ 4.00
Violets	.50@ 1.00
Chrysanthemums	6.00@25.00
Cattleyas	25.00@35.00
Smilax	5.00@ 8.00
Asparagus	.25 0@35.00
" Sprengeri, per doz. bunches 1@1.50	
Adiantum	.50@ .50

BUFFALO, Oct. 19.

Roses, Beauty	3.00@35.00
" Bride, Bridesmaid, Meteor	2.0(@ 6.00
" Perle, Niphetos	2.0(@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.50@ 1.25
" fancies	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1.00
Tuberoses	3.00@ 6.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00
Gladiolus	1.00@ 3.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

GALAX LEAVES.
Brilliant Bronze and Green.
$1.25 per 1000. Price in quantity on application.
HARRY A. BUNYARD,
42 West 28th Street. : NEW YORK CITY.

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ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
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Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply CHRYSANTHEMUMS in best quality and any quantity. VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

GREEN GALAX, New Crop now ready. $1.00 per 1000.
FINEST BRONZE from Cold Storage, $2.00 per 1000 all in 5,000 cases.
ADDRESS THE INTRODUCER,
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

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'MUM'S
THE WORD.
ALL SIZES, COLORS, PRICES.
PACKED CAREFULLY.

EDW. C. HORAN,
47 WEST 28TH ST.,
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CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE yield of onion seed is surprisingly less than was anticipated, due to mildew.

VISITED CHICAGO: J. A. Robinson, representing Jerome B. Rice & Co., of Cambridge, N. Y.

VISITING NEW YORK.—S. F. Willard, Wethersfield, Conn., secretary American Seed Trade Association.

THE sugar beet crop in the vicinity of Kalamazoo, Mich., will be short, but the prospects are much better than they were a few weeks ago.

H. CHEESEMAN, representative of the Cox Seed Co., of New York and San Francisco, is on crutches, having been in a runaway accident while on a visit to Watertown, N. Y.

L. L. MAY & Co., have recently published a Spanish seed catalogue for the extension of their trade to our new island possessions and the South and Central American republics.

NAVY or pea beans have advanced to $1.60 from about $1. There seems to be but few carried over and the new crop is short. For December delivery, however, they are selling a little lower.

ARTHUR H. LUCK, late with the J. A. Everitt Seed Co., of Indianapolis, passed through Chicago enroute to DesMoines, Iowa, where he will take charge of the mail order department of the Iowa Seed Co.

THE tomato seed crop in Michigan will not turn out as good as indicated in our last issue. The damage done by the frost of Octoher 1 has been found to be much more serious than at first appeared and it will shorten the anticipated yield very materially. Definite figures, however, cannot be had as yet.

Long Island Seed Crops.

The Long Island seed crops of 1899 have been the most complete failure we have ever known here. An unusually cold winter, during which the temperature reached a much lower point than we usually experience, resulted in the rotting of about one half of the heads from overfreezing. As a consequence the acreage this summer was cut down, and the stock which was planted was not in first class condition. The seeding season, from April 1 to August 1, proved to be exceptionally dry. So severe had this drought become in June, at the time when the crop most needed rain, that only a small percentage of the seed pods filled, and the result has been a crop averaging about fifteen per cent of what we might reasonably expect under ordinary conditions. L.

Corner in Flaxseed.

Flaxseed at $1.30 a bushel is twenty-five cents higher than it was during the first week in October It looks as though flaxseed was cornered. According to reputed authority, Armour & Co. and Counselman were covering their shorts freely Tuesday and an advance of eight cents a bushel attended the operations.

It is generally understood that the American Linseed Oil Company and the "Little Quakers," as the traders refer to Albert Dickinson & Co., have carried on the bull campaign. These companies have a habit, grown out of the necessities of business, of keeping men busy just before the flax harvest, taking samples of maturing flax from all sections of the country, counting the seeds in the pods of a few stalks in each sample, figuring the average from which the sample was taken and carrying on the deductions to such a fine point that an excellent estimate of the crop of the season is in their possession long before the harvest. It is shown that the stock of flaxseed in this city is 98,000 bushels, as compared with 410,000 bushels a year ago.—*Chicago Journal.*

Detroit.

THE FLORISTS' CLUB MAKES THE MOST OF AN OUTING.—VISIT TO SEVERAL GOOD GROWERS.—THINGS THAT WERE SEEN.—STATE OF TRADE.—PLAN FOR CO OPERATIVE PURCHASE.

Thirty members of the Florists' Club shared the pleasures of the first outing of the season on Thursday of last week. Leaving Breitmeyer's store at two o'clock we first visited Geo. A. Rackham's place, where the neatness in all his houses brought out many words of commendation. Four large houses are devoted to carnations, Cerise Queen and Scott being more largely grown than the other varieties, which are white Daybreak, Flora Hill and G. H. Crane. All were planted early and are already producing fine flowers with long stems. A house of early chrysanthemums, which are extra fine, will soon be cut and the beds planted with carnations. Another house is given to cyclamens, which are always a success here. Two houses are devoted to asparagus and small ferns and one to late chrysanthemums, which will later be used for longiflorum lilies. Mr. Rackham is a strong advocate of solid beds and butted glass, and the excellent condition of the stock in all his houses seems to justify his theories.

Breitmeyer's Mack avenue greenhouses were next visited. This branch of their establishment is in charge of Chas. Breitmeyer, whose skill as a grower is shown in all his houses, where thousands of palms, ferns and lilies are grown, and what is deserving of special mention is the splendid stock of poinsettias. The popularity of this flower here is shown by the fact that although they have over 3,000 plants Mr. Breitmeyer regrets that he has not still more to meet the demands of his retail trade. We next repaired to Pfeifler's gardens near by, where, under the palms and banana trees of the large conservatory, supper was served, after which bowling and card playing was indulged in until a late hour.

The bright, warm days of the past week have greatly increased the local supply of flowers. Roses are now quite plentiful, carnations in fair supply and chrysanthemums fast making their appearance in the stores. Trade is brisk and improving daily and supply and demand are pretty well balanced.

The club meeting Wednesday evening was well attended and the matter of local co-operative purchase was the chief subject of discussion, many signifying their willingness to avail themselves of the benefits that the plan offers.

Richard Irvine, of Bay City, was a visitor last week. J. F. S.

WHITESTONE, N. Y.—Hitchings & Co. have been securing some very good business here, building a range of 37,500 feet for Louis Dupuy and the furnishing heating and ventilating apparatus for three new houses 17x100, built by J. McMullen.

Milwaukee.

ENCOURAGING STATE OF THE MARKET.—BEAUTIES IN DEMAND.—VOLK MAKES A HIT.—VISITORS.

Warm, bright weather has brought stock in just a trifle faster than was wanted for one or two days, but not fast enough to break prices. Violets are quite plentiful; the larger singles are at present most desirable. Early chrysanthemums are well received. American Beauties sell about as clean as anything which ever came to this market. Some grades were scarce this week on account of a large number being used for the McKinley banquet; it would seem that $12 a plate would afford good quality blooms.

Mr. Volk is sending out a very taking box of mixed flowers, consisting of one Beauty and one fine Kaiserin, a bunch of marguerites, sprays of lemon verbena, a bunch of single violets, heliotrope and Asparagus Sprengerii.

The Boston fern is in demand and good potted plants are becoming scarce.

Recent visitors were A. J. Fidler, Racine, Wis.; Mr. Ohlman, Calumet, Mich., and John Muno, Rogers Park, Ill. C. B. W.

PONTIAC, MICH.—A. B. Lewis is in fine shape for the winter and has a splendid stock of chrysanthemums with which he proposes to make a public show.

UTICA, N. Y.—F. E. Shaw has leased the store at 244 Genesee street and will fit it up as a fine flower store. W. J. Crowe has leased the business of his father, Peter Crowe, established in 1872, and has opened a handsome store at 4 Lafayette street.



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Bald Head and Cauliflower Wibolti's Snowball.

Awarded highest prize at St. Petersburg in May, 1899.

LILY OF THE VALLEY PIPS.

PALM Seed. FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5.00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

TELEGRAPH CODE

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AM. SEED TRADE ASSOCIATION

$2.00,

in either stiff or flexible cover. ADDRESS ORDERS TO

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FALL BOOK FOR FLORISTS

READY. Please ask for it.

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FREESIAS

	Per 1000
FIRST QUALITY	$5.50
GOOD BLOOMING SIZE	3.50

CALLAS

	Per 100
FIRST SIZE. 1¼ to 1¾-inch	$5.00

Lilium Harrisii

	Per 100	Per 1000
5 to 7 INCH	$4.50	$40.00

Chinese Sacred Lilies

The best selling bulb for retail counter trade.
$4.50 per 100. Write for prices per 1000.

ONLY WESTERN AGENTS FOR ASMUS' "LIBERTY ROSE."

VAUGHAN'S SEED STORE,

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ESTABLISHED 1802

THORBURN'S SEEDS

Dutch Bulbs

AND

LILY OF THE VALLEY PIPS

for Forcing and Outdoor planting.

Florists and Dealers are invited to send for Trade List now ready.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

CALLA ÆTHIOPICA

Fine, well-cured bulbs; from our own farm in California.

	circumference.	per 100	per 100
EXTRA SELECTED,	5 to 6 in.	$6.50	$55 00
FIRST-CLASS,	4 to 5 in.	4 50	35.00
SECOND SIZE,	3 to 4 in.	2.50	15.00

300 of one size at 1000 rates.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

Mention the American Florist.



VON SION:

SPECIAL OFFER true Dutch stock, double trumpet, extra large bulbs, sound, well ripened and first-class in all respects; a late arriving shipment makes necessary a reduction in price to move them quickly—$16.00 per 1000 (well worth $18.00); by the 100, $1.75. Alba plena, $1.00 per 100; Incomparabilis plenus, 85c. per 100; Orange Phœnix, $1.65 per 100; **Chinese Narcissus**, genuine Chinese grown, per bskt. of 30, $1.50; **Paper White Grandiflora**, $1.00 per 100; Poeticus ornatus, $1.00 per 100; Trumpet major and Princeps, $1.00 per 100. A fine selection of **Tulips** named and mixed, single and double, the best forcing and bedding varieties at low rates. Write for special offer if interested. Also a large and varied stock of **Hyacinths**, mixed and named; the bulbs of these are small this year on account of the unfavorable season, but they are well cured and full age, so that flowering will be O. K. **Crocus, Lilies,** English and Spanish **Iris** and general assortment of Bulbs for fall planting.

Send me a list of your wants. will quote special figures.
No trouble to answer inquiries.

George C. Watson, Seedsman and Bulb Importer, Philadelphia.

Cable Address, "HORTUS," Phila. 'Phone, 355-26 D. OFFICE AND WAREHOUSE, Juniper and Walnut Sts.

25 at 100 rates. 250 at 1000 rates.

BULB BARGAINS. CLOSING OUT Dutch and French stock.

	Per 100	Per 1000
NARCISSUS, true grandi. P. White	$.85	$ 7.00
Pneticus Ornatus	1.00	9.00
Von Sion, fine flowering bulbs	1.25	11.00
Trumpet, mixed	.75	6.75
Polyanthus, single and double	.75	6.75
Jonquil Campernelle, mixed	.50	4.00
TULIPS, extra fine bulbs, **Single.**		
Belle Alliance	.90	7.75
Cottage Maid	1.00	9.00
Duc Van Thol, scarlet	.75	6.00
" " rose	1 00	9.00
" " white	1.25	11.50
" " true yellow	1.50	13.00
Duchess of Parma	.60	5.50
Keiserkroon	1.00	9.00
La Reine	.85	7.50
Proserpine	1.50	13.00
Rosa Mundi	1.20	10.00
Yellow Prince	1.20	10.00
Single early mixed, finest	.65	5.50
" " separate colors	.75	6.25
Late mixed	.75	6.25

	Per 100	Per 1000
TULIPS, DOUBLE, mixed	.75	6.00
" " separate colors	.85	6.50
" " Duc Van Thol	.85	7.00
Gloria Solis	.85	7.00
Imperator Ruhrum	1.50	14.00
La Candeur	.75	6.25
Murillo	1.90	17.50
Rex Rubrorum	1.40	12.00
Tournesol	1.50	13.00
Parrots in finest mixture	.75	6.50
CROCUS, mixed	.35	2.50
CALLA .Ethiopica, 3x5	3.00	25.00
" " 4x6	5.00	
SPOTTED CALLA, extra fine bulbs	2.50	

LILIES.

Lil. Longiflorum will be **SCARCE.** Order in time.
Lil. Harrisii, 5x7. Closing out, 100 $4; case, 400, $15.
Japan Lil. Auratum, Rubrum, Album, etc., ready by end of month ORDER SOON.

KENTIA SEED. Fresh 1899 crop just in from Australia, where seed ripens in August. NO OLD 1898 seed. Every nut germinative. **Belmoreana or Forsteriana**, 60c per 100; $4.25 per 1000. Price includes delivery. Sample dozen 20c.
SMILAX SEED, per oz. 30c.; per lb. $2.50, inclusive delivery.
FREESIA SEED, pure white, oz. 40c.; lb. $3 00.
SWEET PEA and other California grown flower seeds, ready by November.
Azaleas IN. All favorite sorts. Prices same as other good houses.
Time to order CYCAS REVOLUTA, FERN BALLS, Iris Kæmpferi, Pæonies, Spiræas, Roses, etc.

H. H. BERGER & CO., 47 BARCLAY STREET, New York. ESTABLISHED 1878.

CINERARIA	CYCLAMEN	PRIMULA	PANSY
Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.	Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.	Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.	Rolker's Giant. $5.00 oz.; ½ oz. 90c. Trade pkt., 25c.

AUGUST ROLKER & SONS, 52 Dey St., New York.

CINERARIAS.

Benary, Cannell and Sutton's prize strains, dwarf and semi-dwarf, giant-flowering, finest colors and shades; 2¼-in., $2 per 100, $18 per 1000.
Pansies, mammoth, 100 colors mixed; Myosotis Alpest. nana Victoria (Forget-me-not), dark blue; Silene pendula compacta, pink and dark red; Daisies (Bellis), giant-flowering, 10 colors mixed; strong plants of each kind, 40c. per 100, $3.50 per 1000. Cash with order.

Shellroad Greenhouse & Seed Co., Grange, Md.

BROWALLIA GIGANTEA.

Fine plants to grow on for your Xmas trade.
Rooted cuttings $2.00 per 100
Out of 2½-inch pots, bushy 4.00 "
Out of 3½-inch pots, bushy 6 00 "
Samples for 10 cts. in stamps.

HENRY EICHHOLZ. Waynesboro, Pa.

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Business Methods

are right you can make a profit on an advertisement here.

CARNATIONS.

Only 2000 left, strong, field-grown plants—McGowan and Scott, $3.00 per 100, $25.00 per 1000. Sample, 10 cts.

. . VIOLETS . .

300 California, field-grown, 12 to 15 in. across clumps, $3.00 per 100. Sample, 10c. Speak quick!

ALBERT H. BROWN, Westboro, Mass.

CARNATIONS Field-Grown Plants.

Tidal Wave, McGowan, Morello, Pierson, Meteor, Scott, Daybreak, Pingree, Jubilee and Dorner, $3.00 per 100; $25.00 per 1000.
Hermosa and H. P. Roses, $10.00 per 100.
Irish Junipers, 15 to 18 inches high, $8.00 per 100.
" " 3 feet high, $20.00 per 100.

JOSEPH HEINL, Jacksonville, Ill.

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. PRICE, $2.00.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

PROF. S. T. MAYNARD says that the old varieties of the apple are running out.

THE plum is now receiving the close attention of orchardists and nurserymen.

W. & T. SMITH Co., Rochester and Geneva, report the busiest fall season on record.

F. W. WATSON & Co., Topeka, Kans., are predicting a sharp rise in the price of apple seedlings.

LOUISIANA parties are preparing to invest $80,000 in a nursery in Madison county, Georgia.

M. J. HENRY, Vancouver, B. C., is finding a ready sale for seeds of the British Columbian broad-leaved maple.

THE Iowa Agricultural College has been the recipient of a collection of pæonies amounting to fifty-eight named varieties from P. S. Peterson & Son, Chicago.

G. C. WATSON, general agent of the Stoke-Pogis Nurseries, Juniper and Walnut streets, Philadelphia, has issued an instructive and well illustrated brochure on landscape gardening for free distribution.

The Minnesota Apple Prize.

A. W. Latham, secretary of the Minnesota State Horticultural Society, 207 Kasota block, Minneapolis, is sending out a folder containing much information in regard to the society and a list of fruits recommended for the guidance of planters in Minnesota. With this is enclosed the regulations governing the award of the premium of $1,000 offered by the society for a seedling apple tree which shall fulfill certain requirements. The competition is open to all and the conditions of the contest are plainly set forth in the circular and are only such as are deemed necessary in determining that the seedling is "as hardy and prolific as the Dutchess, with fruit equal to the Wealthy in size, quality and appearance, with the keeping qualities of the Malinda." A copy of the regulations will be sent to any person interested upon application.

Fruit Trees Not Root Killed.

On looking over the plums in nursery rows last spring the writer confidently believed that fully 60 per cent of all the trees, even those on American plum stocks, would die during the summer, owing to root injury. The roots last spring in most instances were somewhat discolored and in many cases were entirely blackened. Good cultivation was given the stock, and this, coupled with abundant rains during the early and growing part of the season, has encouraged a wonderful repair of this root injury. At the present time not more than six per cent of the trees are unsalable. These unsalable trees have made little growth and the roots appear to be permanently injured. At the same time, in many cases new fibres are being thrown out and it is possible that in time the tree will become established on a new root system. In the case of the other trees—those which made a good growth—the roots have entirely recovered their normal color and appear to be in as healthy and vigorous a condition as ever.

With regard to the apple trees many curious conditions may be noticed. It is a common occurrence to find a nursery tree now entirely on its own roots. This is brought about by the killing of the seedling root from the point of union with the scion, downwards. The roots from the apple scion were, as a rule, much less injured than the roots from the seedling stock. These scion roots were, in the majority of cases, the salvation of the tree. It is probable that if the season had been one of limited rainfall, the loss to nursery stock would have been much heavier. As it was the trees made a normal growth in most cases and have now a really well developed root system. These trees should be planted somewhat deeper than they originally stood in the nursery, and I believe will make, on the whole, more reliable orchard stock than those of the seedling roots. I am of the opinion that many plums and apples which were dug out in early spring owing to their injured appearance would have made good trees by the autumn had they been allowed to stand in the nursery row and been given good cultivation.

JOHN CRAIG.

Nashville, Tenn.

GOOD STOCK IN THE SOUTH.—ROSES IN FINE FORM.—THE GOLDEN GATE.—VIOLETS IN PROFUSION.—CURREYS HAVE THE FIRST CHRYSANTHEMUMS.

The cool weather of the past few weeks has brought about a wonderful improvement in roses. Bridesmaids are especially good and Beauties are fine. The supply is abundant. Joy & Son are showing the Golden Gate and think well of it. They will plant it largely next year. Scott and Triumph are the favorite carnations, and are more largely grown than other varieties. Violets are already in the market in profusion. The florists are not the only successful growers of violets for some of the finest blossoms are grown by amateurs and sold on the streets, in the market house and drug stores. Some beautiful novelties are shown in the way of violet boxes. And no more beautiful gift could he presented than one of these filled with fragrant blossoms. Currey & Co brought in the first chrysanthemums October 16. The variety was George S. Kalb. M. C. DORRIS.

WAKEFIELD, MASS.—John Walsh & Son, of Melrose Highlands, took first prize for palms and ferns at the Middlesex East Agricultural Fair, held here last week.

MADISON, N. J.—The Morris County Gardeners' and Florists' Society will hold its fourth annual exhibition here on November 7 and 8, at the Madison Assembly Hall. Previous exhibitions have been held in Morristown. Wm. Duckham is president of the society.

ALPINE AND Herbaceous Plants.

Stansfield Bros. wish to call the attention of their American patrons to their large and extensive stock of **Choice Alpines, Herbaceous and Old Fashioned Garden Perennials.** *Catalogues on application.*

100 Alpines 40s. 100 Herbaceous Plants 40s, free on boats Liverpool.

STANSFIELD BROTHERS,
SOUTHPORT, ENGLAND.

For Parks, Cemeteries or Private Grounds

we can furnish a very large and superior stock of

FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.

Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.

Remember we are Headquarters for Nursery Stock in the East.

Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.

SATISFACTION GUARANTEED. ADDRESS...

STEPHEN HOYT'S SONS, New Canaan, Conn.

250,000 MILLER'S RED RASPBERRY PLANTS.
300,000 EARLY HARVEST BLACKBERRY PLANTS.
150,000 LUCRETIA DEWBERRY PLANTS.
All of the above at $5.00 per 1000.
125,000 STRAWBERRY PLANTS, four of the best leading sorts, at $2.00 per 1000.
125,000 PEACH, 1 year from the bud and June budded, in surplus.
20,000 JAPAN PLUM, 1 year from bud, also in surplus.

MILFORD NURSERIES,
ALEX. PULLEN, Prop. **MILFORD, DEL.**

H. P. ROSES. Doz. 100.

Strong 2 year plants, own roots.....$1.50 $10.00
Double white Poet's Narcissus..... 1.00
Monthly Roses from pots or open ground 8.00
PÆONIES for fall planting in choice assortment, $10 per 100.
CLEMATIS for fall. Write for prices.

F. A. BALLER, Bloomington, Ill.

HOME OF CHOICE TREES and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. Catalogue free.

HARDY SHRUBS.

Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS A SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

NURSERYMEN....

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

Cleveland.

DEMAND LEADS THE SUPPLY.—STOCKS WHICH ARE AVAILABLE.—HARRISII ALREADY SHOW DISEASE.—NOTES.

Business has been fairly brisk but stock has been in short supply, limited practically to roses and carnations. A few dahlias have been seen and cosmos is coming in with the early chrysanthemums. The latter are still very short in supply, although quite good in quality. The varieties are mostly Bergmann, Glory of Pacific, Marquis de Montmort and a few Marion Henderson. Good roses are quoted at $4 per hundred. Carnations are of improved quality and bring about $1.50 per hundred. The best varieties at present seem to be Flora Hill, Scott and Portia. Jubilee is good in some cases, but, like Daybreak, is usually slow in recovering from transplanting.

Lilium Harrisii already begins to show disease with some growers. One lot the writer has seen runs from forty to fifty per cent diseased stock.

Smith & Fetters have extended their greenhouse to their store and have stocked it with an excellent line of palms and other plants. They have installed a hot water heating system.

Walter Mott, representing the H. A. Dreer Co., and Mr. Fotheringham, of the F. R. Pierson Co., were recent visitors.

A.

LYNN, MASS.—Wm. Miller, the city forester, has annually given away a quantity of the plants used in the summer in the Public Garden and recently began his distribution, when, one evening, a body of school children helped themselves, carrying away 1,000 plants which were Mr. Miller's personal property.

KENNICOTT BROS. CO.

Wholesale Cut Flowers

and FLORISTS' SUPPLIES,

42-44 E. Randolph St, CHICAGO.

Long Distance Telephone, Express 466.

PRICE LIST.

	PER DOZEN
Am. Beauties, long	$2.50 to $3.50
" " medium	1.50 to 2.00
" " short	.75 to 1.25

	PER 100
Meteors	$3.00 to $5.00
Brides	3.00 to 5.00
Bridesmaids	3.00 to 5.00
Perles	2.00 to 4.00
Carnations	1.50 to 2.00
Violets	1.25
Smilax, fine	15.00
Adiantum	.75 to 1.00
Valley	4.00 to 5.00
Common Ferns, selected for us, $2.00 per 1000.	.25

☞Above prices are subject to change without notice.

P. & D. at cost.

40,000 'MUMS

Between now and Christmas we shall market the entire cut of one of the largest growers about Chicago, 40,000 first-class flowers, A1 in every respect.

We are exclusively **Rose Growers** and can supply the best qualities, including American Beauty, at all times.

We are also in a position to fill orders for the most popular varieties of **Carnations.**

All orders shipped at market prices within two hours of receipt.

..THE..
VARIETIES.

PINK.
Glory of Pacific,
Maud Dean,
Mrs. E. G. Hill.

YELLOW.
Yellow Queen,
Major Bonnaffon,
Golden Wedding.

WHITE.
Fee du Champsaur,
Mrs. Jerome Jones,
Frank Hardy,
W. H. Chadwick,
Wanamaker,
Mayflower,
Ivory.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

Extra Fine CHRYSANTHEMUMS,

CHOICE VIOLETS, Single and Double,

FANCY VALLEY, Select BEAUTIES,

Tip-Top CARNATIONS, HIGH-GRADE ROSES.

Good quality, seasonable stock, properly and promptly packed at reasonable prices.

E. C. AMLING, 51 Wabash Ave., CHICAGO, ILL.

W. S. HEFFRON, MGR. WHOLESALE CUT FLOWERS.

WRITE FOR OUR WEEKLY PRICE LIST.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY			
30-36 in. stem	per doz.	$3.50 to $4.00	
24 "	"	2.50 to 3.00	
20 "	"	2.50	
15 "	"	2.00	
12 "	"	1.50	
8 "	"	1.00	

METEOR	per 100	$4.00 to $5.00
BRIDESMAID	"	3.00 to 4.00
BRIDE	"	3.00 to 4.00
PERLE	"	3.00 to 4.00
CARNATIONS	"	1.50 to 2.00

Quotations subject to change without notice. All other stock at lowest market prices.

NEXT CENTURY'S BUSINESS

can be started now by advertising in this journal. Don't wait until January 1 to commence next year's business. The best orders are placed early with advertisers in THE AMERICAN FLORIST

TRY THIS PLAN.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

THE members of the bowling team which represented Philadelphia at Detroit have received their individual balls, the fine trophy offered by the Crawford, McGregor Canby Co., Dayton, O.

Chicago Club Chooses Officers.

On Friday evening, October 20, the Chicago Florists' Bowling Club re-elected President Phil. J. Hauswirth. The other officers chosen were: Vice-president, M. Barker; secretary and treasurer, Alex. Henderson; captain, Ed. F. Winterson; official scorer, John Degnan.

Flatbush Retaliates.

On October 9 Flatbush visited New York and was defeated; on Thursday evening, October 19, the Brooklyn players were the hosts and retrieved themselves by taking the Gothamites into camp for three straight games. The third and deciding contest will be on New York alleys at an early date.

At Minnespolis.

The bowlers of the Twin Cities made a pretty fair record at their last session. They will practice weekly until spring and expect each evening to show a similar improvement:

Name	1st	2d	3d	Av.
G. Will	192	163	175	177
Ed. Swahn		156		156
Hoppe	149	135	156	147
E. Nagel	141	145	132	139
J. Monson	133	130	153	135
H. Barsch	107	90	91	96
				N.

At Chicago.

On Friday evening, October 13, a team representing the Chicago Florists' Bowling Club repaired to Kenna's alleys to trounce a team known as the West Madisons, but after taking two games the florists, particularly Henderson, displayed their magnanimity and gave their hosts the consolation of winning the third game. There were some excellent scores, but George Asmus put his colleagues quite in the shade by making 215 followed by 200. Here are the figues:

FLORISTS	1st	2d	3d
E. F. Winterson	187	156	181
John Degnan	163	135	177
P. Hersen	187	137	166
Alex. Henderson	187	144	122
Geo. Asmus	153	215	200
Total	877	787	846
WEST MADISONS	770	703	864

On the evening of October 17 the same team of florists repaired to the Francisco alleys and received a defeat at the hands of the Central Park team, although on the series the florists came out sixty-four points to the good. Following is the score:

FLORISTS	1st	2d	3d
Winterson	174	152	155
Degnan	171	163	166
Hersen	187	151	158
Henderson	144	148	172
Asmus	170	166	143
Total	846	783	704
CENTRAL PARKS	857	705	707

At St. Louis.

On October 16 the bowling was upon Tate's alleys, new and regulation, on which it has been decided to bowl in preparation for the contest at New York. The scores for the evening were not up to our standard. Here are the averages:

J. W. Knuz	144	R. F. Tesson	106
C. A. Kuehn	137	F. H. Webber	106
J. J. Beneke	136	Carl Beyer	100
F. C. Weber	124	F. J. Fillmore	97

At Flatbush.

J. M. Keller and C. W. Ward were welcome visitors to the alleys on Thursday evening, October 12. The new crimson velvet benches are all right and give an



ED. F. WINTERSON.
Captain Chicago Florists' Bowling Club.

appearance of comfort and luxury that is very pleasing. Three games were indulged in with the following result:

Name	1st	2d	3d
Wocker	100	99	101
Riley	202	214	136
Prosser	171	144	123
P. Dailledouze	139	127	147
Papa Zeller	107	94	85
Stewart	114	101	119
Total	833	779	711
Name	1st	2d	3d
Woerner	110	98	97
E. Dailledouze	147	150	183
Schmutz	115	147	142
H. Dailledouze	155	121	90
Ward	86	108	102
Keller	64	140	89
Total	708	764	703

Buffalo.

GOOD TRADE DESPITE SUMMER WEATHER. —SOME HANDSOME NEW STORES.—JOTTINGS HERE AND THERE.

Weather almost like July is not good for flowers or the flower trade but we have had a fair trade and are looking for cooler days. Roses are in abundant supply and there are plenty of violets but chrysanthemums are not yet obtainable in quantity and prices are pretty high.

C. D. Zimmerman has moved into his new store at the corner of Chippewa and Franklin streets and has one of the handsomest places in the city. It has electric light, refrigerator all in glass, green burlap on the walls and the woodwork all in white. In the rear there is about 1000 feet of glass for a show room for plants.

It will be June or July before Prof. Cowell has his place in the shape he is aiming at but there are some fine ferns and dracænas there now and when the collection is ready it will be one of the best in the country.

J. H. Rebstock is now in his remodeled store, which is a daisy. It is paneled in green and white with gold trimmings. The new ice box is a show of itself.

S. A. Anderson and his bride returned on Tuesday to find their home placarded from foundation to roof, the decorative work of his best man and a few others.

Palmer had a very fine window of roses this week and Anderson and Scott made good showings of chrysanthemums and orchids. W. A.

NEWS NOTES.

KENNEBUNKPORT, ME.—The greenhouses of W. A. Emery have been sold to C. H. Perkins.

RED WING, MINN.—John Sten, florist at the Training School, was badly cut in a bicycle collision recently.

HOLYOKE, MASS.—E. H. Howland is growing cattleyas on the "board plan" very successfully.

SAN DIEGO, CAL.—Francis H. Fowler, an old-time florist and retired sea captain, is now a resident of this city.

WILLIAMSPORT, PA.—Evenden Bros. report a fine fall trade. They grew 45,000 chrysanthemums this year.

ROSE HILL, N. Y.—F. B. Mills, the seedsman, has been shipping large quantities of sweet pea and gladiolus blooms to New York the past season.

NEWPORT, R. I.—An illustrated lecture on Hawaii by J. K. M. L. Farquhar is promised for the Newport Horticultural Society's meeting on the evening of October 25.

FORT WAYNE, IND.—Wm. J. Vesey, a prominent lawyer and florist of this city, has been appointed judge of the Allen county Superior Court.

MERIDEN, CONN.—Mrs. E. B. Gallivan has made extensive improvements on her store, including the raising of the floor to the level of the sidewalk.

MT. PLEASANT, MICH.—E. T. Hammond has finished restocking the Mt. Pleasant Greenhouses. He lost heavily in the cold weather of last winter.

WOBURN, MASS.—F. E. Gustin, of Winchester, has purchased forty-four acres of land at Cummingsville and will erect a large range of forcing houses thereon.

TOLEDO, O.—B. Schramm now has a thoroughly modern range of up-to-date houses, about 9,000 feet of glass, with 1,000 feet in hot beds. The place was entirely rebuilt this season. Hot water is the heating medium.

SOUTH WEYMOUTH, MASS.—The Weymouth Agricultural Fair was attended by immense crowds and the flower and plant display was better than ever before. George Hollis was a large contributor of plants and took most of the best premiums in this section.

NEWPORT, R. I.—The last meeting of the Newport Horticultural Society was devoted to a discussion of insect pests and remedies therefor. The meeting was addressed by Prof. Field, Prof. Card and Mr. Frost, of the Rhode Island College of Agriculture; Prof. Kirkland, of the Massachusetts Gypsy Moth Commission, and Thos. S. Hazard, of Kingston, all the speakers favoring the appointment of a state entomologist.

SURPLUS STOCK OF **Roses and Carnations,** strictly first-class in every respect and guaranteed to be good, healthy plants and free from disease, in the following varieties.....

ROSES: American Beauties, 3 and 4-in.; Brides, 3, 3½ and 4-in.; Maids, 3 and 4-in.; Meteors, 3-in.
CARNATIONS: Scott, Alaska, McGowan, Dana.

Write us your wants; we will quote you a price that will sell them, as we must have room for other stock.

LAKEVIEW ROSE GARDENS, Wholesale Growers Cut Flowers Plants and Palms, **Jamestown, N. Y.**

CARNATION PLANTS.

STRONG FIELD GROWN.

McGOWAN.....$3.00 per 100, $25.00 per M.

EVELINA,	MAYOR PINGREE,
McBURNEY,	KOHINOOR,
NANCY HANKS,	WM. SCOTT,
ARGYLE,	PORTIA,

$2.50 per 100, $20.00 per M.

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS.,
51 Wabash Ave., CHICAGO.

FIELD-GROWN

Carnations!

...SEPTEMBER DELIVERY AND LATER.

We have a very large stock, including

G. H. CRANE, MACEO, GLACIER and MRS. JAS. DEAN

in good, healthy condition. Send for price list.

F. Dorner & Sons Co., La Fayette, Ind.

2000 Wm. Scott and 1000 Albertini,
Strong Field **CARNATIONS**
$3.00 per 100.
ROSES, 2¼ and 3-in. Brides and Maids, $3 a 100.
Cut Smilax, 8-ft. strings, $15.00 per 100.
CASH WITH ORDER.
SOUTH SIDE FLORAL CO., Springfield, Ill.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, ATCO, N. J.

FINE Field-Grown **Carnation Plants**

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Bon Ton and Scott. **$4 00 per hundred.**

☞ Cash with order please.
VAN WERT GREENHOUSES, Van Wert, O.

CARNATIONS

Fine field grown plants.

HECTOR, large scarlet. EVELINA, very free white. $6.00 per 100; $50.00 per 1000. 500 plants at 1000 rate.

H. WEBER & SONS, Oakland, Md.

CARNATIONS.

100 SCOTT,
100 TRIUMPH,
200 MAYOR PINGREE,

Strong, field-grown plants, at $3.00 per 100.

JOSEPH LABO, Joliet, Ill.

4 Acres Field-Grown Carnation Plants, 100,000

Our Carnations are very fine. They have been grown with the greatest care, free from disease and packed by our improved system of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINCREE	BUTTERCUP	C. A. DANA	ARMAZINDY	CRIMSON SPORT
DAYBREAK	STORM KING	JUBILEE	METEOR	CAPTAIN KINC
ALASKA	ELDORADO	PORTIA	ALBERTINI	SWEETBRIER
IVORY	WM. SCOTT	MRS. FISHER	McGOWAN	L. L. LAMBORN

$5 00 PER 100.

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring and freedom of flower by any others grown.
50 cts. per 100. $4 00 per 1000.
J. L. DILLON, BLOOMSBURG, PA.

AMERICAN BEAUTY Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.
A. S. MacBEAN, Lakewood, N. J.

Carnation Plants

ALL SOLD BUT

3000 DAYBREAK
300 METEOR
400 SCOTT
300 TRIUMPH

These are all first size plants and clean. To close them out, will sell them at **$4.00 per 100, or $30.00 per 1000.**

W. A. WETTLIN, Hornellsville, N. Y.

Field Grown **CARNATION PLANTS**

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
LOCK BOX 11, GRAND RAPIDS, MICH.

THRIFTY FIELD

CARNATIONS

with plenty of roots.
Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.
GREENHOUSES AND ADDRESS
JOLIET, ILL.

Field-Grown Carnations!

FLORA HILL, DAYBREAK, SCOTT, PORTIA, CARTLEDGE, VICTOR.....

Extra Fine, at Low Prices.

J. J. STYER, Concordville, Pa.

FIELD-GROWN

Carnation Plants.

SCOTT	$5.00 per 100
DAYBREAK	5.00 "
BON TON	5.00 "

We would like a few good customers for our flowers. All the new varieties.

Steel Wire Plant Stakes.

The balance of our stock at reduced prices.....

H. F. LITTLEFIELD, Worcester, Mass.

Surplus Stock
of A No. 1

FLORA HILL CARNATIONS.
Field-grown, clean and healthy, at $5.00 per 100; $40.00 per 1000.

VICTOR, EMPRESS and BON TON, at same price.

McGOWAN, at $3 per 100; $25 per 1000.

Cash or satisfactory reference with order.

W. E. HALL, Clyde, Ohio.

CARNATIONS at $3.00 per 100 cash until all sold. All first-class plants—Flora Hill, Dana, Portia, Eldorado, McGowan, Scott, T. Cartledge.

D. R. HERRON, OLEAN, N. Y.
GEO. L. GRAHAM, Florist.

Greenhouses, 57-65 Seward Ave. Phone 68 W.
Salesroom, 87 Main St. Phone 76 B.

BRADFORD, PA., Sept. 16th, 1899.

MR. D. R HERRON, Olean, N. Y.:

Dear Sir:—Your Carnation plants I bought from you last season gave me the best satisfaction and best results I ever had. I lack the following varieties, Daybreak Eldorado and Dana. Send me 100 of each to complete fillinz my house. as I have added one more house this fall. Yours truly, G. L. GRAHAM.

Asparagus Plumosus Nanus

STRONG STOCK.

2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000

Also ARDISIA CRENULATA, fine, well-berried plants, 5-inch pots, at 75c and $1.00.

S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.
Mention American Florist.

CARNATION PLANTS.

Scott,	Helen Keller,	Tidal Wave,
Sweet Brier,	Storm King,	Kohinoor,
Outcast,	Victor,	Daybreak,
Meteor,	—$4.00 per 100.	

The above are all No. 1 plants and in good shape, no culls.

EVENDEN BROS., Williamsport, Pa.

Providence.

The recent sudden change of temperature cut off the supply of outdoor flowers and caught many a napping. The mercury dropped to 22°.

Last week was a busy one, occasioned by the obsequies of Eugene J. McCarthy, the flowers for which filled a moving wagon; there were seventy-six pieces in all. Of this number James B. Canning made twenty-seven.

The new firm, Hazard & Wood, make a very attractive display in their store on Westminster street.

The store formerly occupied by the New York Florist on Weybosset street, now in charge of Mrs. Miller, is much improved in general appearance.

LITTLE RHODY.

New Haven, Conn.

Business has been very brisk for the last two weeks. Designs for funerals were never in greater demand than at present. Violets are very good for so early in the season and find ready sale.

The Robt. Veitch Co. is remodeling the interior of its store and intends to put in a new front which will be a decided improvement.

Geo. H. Rowden, of Wallingford, Conn., was in New Haven Wednesday. G. H.

BEGONIAS

Assorted varieties from 2-in. pots, **$2.00 per 100.**

EXTRA STRONG.

GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**

CASH, PLEASE.

Edward B. Jackson,
STAMFORD, CONN.

We beg to announce to the TRADE that we have our own collectors in the Tropics and are booking orders for
CATTLEYA IRIANÆ, MENDELI GIGAS and AUREA, and
ODONTOGLOSSUM CRISPUM (Pacho types) for delivery spring 1900
We also have the finest collection of Laelio-Cattleya Hybrids in America, catalogues of which will be sent on application. **ARNOLD & CO.,**
222 St. Marks Sq., Philadelphia, *Orchidists.*

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,
42 W. 28th St., - NEW YORK CITY.

ACALYPHA SANDERI...

2½-inch plants.....$12.50 per 100
3-inch plants.....$18.00 per 100

RAMBLER ROSES. Yellow, White and Pink, strong 2 year plants, $10.00 per 100

The Conard & Jones Co., West Grove, Pa.

Finest Forcing Roses 2½-in. per 100, 3½-in. per 100

BRIDE.....$2.50 $4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. **Cash with order.**

Asparagus Sprengerii 2½-in. pots; **Asparagus plumosus nanus** 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

N. F. : McCarthy : & Co.

WILL

AUCTION

ON TUESDAY,

Oct. 24th, 10,000 ..High-Class.. Ornamental Shrubs

FROM LOCAL GROWERS,

N. F. McCarthy & Co.

JOBBERS IN ALL FLORISTS' GOODS,
84 Hawley Street,
BOSTON, MASS.

Orchids!

Just arrived in fine condition, a fresh lot of *Cattleya Mendelii* and *Lælia Youngheana*, also *C. labiata, C. Speciosissima, C. Gaskelliana* and *C. Harrisoniæ.*

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

ASPARAGUS Sprengerii.....2½-in., $5.00 per 100
Asparagus Plumosus, 2½-in. 5.00 "
NEPHROLEPIS Cordata Compacta,
2½-in., fine..... 5.00 "
Nephrolepis Bostoniensis, 2½-in... 5.00 "
GERANIUMS, S. A. Nutt, etc., 2½-in.. 2.50 "
SMALL FERNS, for dishes, " .. 4.00 "
CARNATIONS, field-grown..... 5.00 per 100
CASH PLEASE.
CARL HAENBURGER. W. Mentor, O.

LAST CALL—ROSES.

We Clean Up at 50 Per Cent Off....

To sell 500 choice 3-inch Maids and 300 Brides, very strong, superior stock, we offer them at a remarkable bargain and guarantee to please.

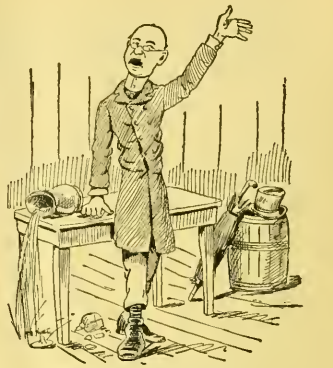
Write at once. This offer will appear but once more. Ten cents in stamps will secure samples.

W. H. GULLETT & SONS, Lincoln, Ill.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.



THIS RESEMBLES ME SOMEWHAT.

I Am Bald Headed.

CHAPTER III.

WHAT I CLAIM TO HAVE DONE.

EVERGREEN, ALA., ——, '99.

Dear Sirs:—I began shipping Southern Wild Smilax in 1889. I have worked and studied to improve the product. I do not claim to have introduced it. I believe now that the honor belongs to A. O. Oelschig, of Savannah, Ga.; but I do claim that I boomed it, pushed it and spent thousands of dollars to introduce it to you; that I hammered at the express companies till I got the very low express rates you now enjoy of 25 per cent less than merchandise rates; that I invented and first used the very light wooden boxes used in this trade, which saves you hundreds of dollars in express charges; I also gave away tons of these goods to Chrysanthemum Shows and Florists' Club Dinners.

The pushing by me of Southern Wild Smilax introduced to you one of the most valuable products used in the trade to-day. I don't think anything has been introduced to the Floral trade in the past decade that has proven such a boon as this. Don't you remember what a hole it put you in last Easter, when by the freeze of Feb. 11th the entire Wild Smilax crop was destroyed? Well, it put me in the hole, too, and the cow, poor thing! she almost starved to death. Yes, I worked hard for my trade and have a good one, but I can handle more still and am still improving the product. You often receive shipments of Smilax that look dingy, dusty and wilted; that is because it is sometimes hauled for miles in an open wagon over hot, dusty roads, exposed to the full glare of a southern sun. By putting in my telephone line I get right into the heart of the Smilax Woods, with no distance to haul, hence no exposure to the sun. It is packed in half a mile of the woods and brought to the shipping point, Evergreen, Ala., fully protected in cases. One improvement I have added this year is that I have the Smilax *washed.* It is put into a lattice Cradle and a strong jet of water, pure and cold, is thrown on it; then it is allowed to drain and absorb all the moisture it will take up.

THE RESULT.

It reaches you *clean, bright, crisp* and will retain its beautiful glossy color a great deal longer than the old style. This improvement is of great importance to you in large decorations where you have to begin hanging the Smilax three or four days before the decoration is completed, so that by the time the work is done the Smilax has already begun to shrink, making little gaps in your work that are annoying. I consider this the greatest improvement I have made yet. Don't forget the price, $2.00 per case, f. o. b. Evergreen. 24 hours' grace expected on orders over 5 cases.

Yours truly,

CALDWELL, The Woodsman, Evergreen, Ala.

Chapter 4 on Competition will appear in AMERICAN FLORIST Oct. 28th.

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,
CHICAGO.

HALF TONES
ZINC ETCHINGS
WOOD CUTS
ELECTROTYPES

J. MANZ & CO.
195-207 Canal St., - - - CHICAGO.

HIGH GRADE WORK.
PROMPT SERVICE.

THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

For further information apply to the nearest Railroad Ticket Agent, or to

H. B. McCLELLAN, G. E. A.,
387 Broadway, New York City,
J. D. McBEATH, N. E. P. A.,
5 State Street, Boston, Mass.
C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo

VIOLETS.

MARIE LOUISE, field-grown, fine, thrifty stock, perfectly clean and healthy, $3.50 per 100, $30.00 per 1000.

CASH WITH ORDER PLEASE.

R. KILBOURN, Clinton, N. Y.

Cyclamen!

We have a fine and healthy lot of Cyclamen Giganteum, well set with buds, growing in 3-in. pots, ready for repotting into 4-in pots or larger; or three plants in 8-in. bulb pans will make a fine display and grow into suitable gifts for Christmas, or they could remain in the size pots they are in at present and would be most useful with which to make plateaus or "French" baskets of growing plants in bloom for Christmas or any other worthy occasion.

Plants in bloom for the gay and festive Christmas time are becoming more and more popular.

No better time than the present to be thinking about this matter and making necessary preparations.

$8.00 per 100, $70.00 per 1000.

EDWIN LONSDALE,

Money order office, Chestnut Hill. (Sta. H.) Philadelphia, Pa.

Wyndmoor, Chestnut Hill, PHILA.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

Brockton, Mass.,
GRAND FLOWER SHOW.
Nov. 1, 2, 3, 1899,

CANTON HALL.
GOOD PREMIUM LIST.
For schedule address

BROCKTON GARDENERS' AND FLORISTS' CLUB,
BROCKTON, MASS.

THE
Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—
Wellington St., Covent Garden, London, England.

"Indispensable"

THIS is the only word which describes the American Florist Company's Trade Directory. This book, 359 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

EDITION OF 1899, POSTPAID, $2.00.
IN FLEXIBLE LEATHER BINDING, $3.00.

AMERICAN FLORIST CO.,
324 Dearborn St., CHICAGO, ILL.

Orange, N. J.

The opening meeting ot the season of the New Jersey Floricultural Society, took place on Wednesday, October 4. A short business session was held in which resolutions were adopted on the death of William Macmillan and the matter of a fall exhibition referred to a committee with power to act, the date fixed being November 15. The remainder of the evening was spent socially to the accompaniment of an orchestra provided by the committee. George Smith, George Alcock and John Hays sang and refreshments were served. Representatives were present by invitation from the New York and Morris county clubs. Among the familiar faces there were those ot William Scott, W. Bartholomae, S. S. Butterfield, J. A. Penman, Frederick W. Kelsey, James W. Withers, Dr. J. M. W. Kitchen and Joseph Manda.

Denver, Col.

There has been quite a little building about Denver this season. Daniels & Fisher have put up a carnation house 14x150 at their Shrawford farm. Mr. Glauber, formerly Glauber & Webb, has built a Beauty house 25x125 and the plants are fine. F. H. Hall, late of Hall & Pollard has put up five new houses 18x100 for roses and carnations. Theo. Loken, of the Berkley Greenhouses has a new violet house. Grimes & Son have built two houses 20x100, one for carnations, the other for palms and begonias. N. A. Benson has built a house 25x100.

15,000

Latania Borbonica.

Fine plants of exceptional value, viz.:

	Per 100	Per 1000
2 character leaves, 12-15 inch	$15.00	$125.00
2-3 " " 4-in. pots, 15-18 in.	20.00	150.00
4-5 " " 5-in. pots, 18-20 in.	25 00	
5-6 " " 5-6 in. pots, 18-20 in.	40.00	

CALADIUMS....

Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...

The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.

12-15 inch.....$12.00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS.
350 ACRES IN NURSERY STOCK.

Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries. AUGUSTA, GA.

Primroses.

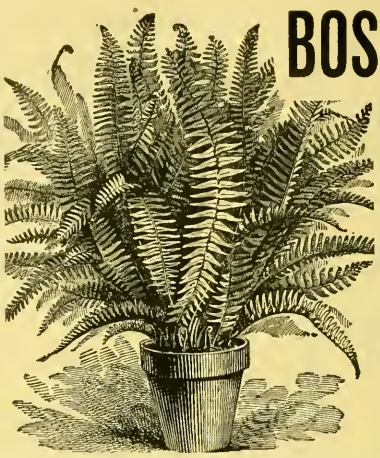
	Per 1000	Per 100
CHINESE, ready for 3-in. pots	$17.00	$1 75
OBCONICA Grand. " "	17.00	1.75
" " Rosea, "		1.75
FORBESII, " "		2.00
PANSY PLANTS	2.75	.50

☞CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

WASHINGTON, Sept. 17, '99
MR. J. H CUNNINGHAM, Dear Sir:—Primulas rec'd in good condition, long ago. Please excuse me for not informing you before now. Thanks for the extras
Yours truly, D. I. SAUNDERS.

BOSTON FERNS from bench, ready for 6-in. pots, $3 per doz.
J. W. DAVIS, Morrison, Ill.
Mention American Florist.



BOSTON FERNS

THE true stock. Full and compact plants, not over-drawn. We can ship reasonable distances by freight. Order now for your Fall Sales.

Strong plants from 2-inch pots
" " " 2½ "
" " " 3 "
" " " 4 "
" " " 5 "
" " " 6-in. pans. } Write for Prices.
Fine Specimen Plants 7 "
" " " 8 "
" " " 9 "
" " " 10 "
" " " 12 "

Our large stock of PALMS, ARAUCARIAS, ETC., are also in the best possible condition. If you are in the market for Palms, write us for our Special Price List, now ready.

POINSETTIAS. Just the stock for Xmas flowering. Strong, stocky plants in 3-in. pots, per 100, $6.00; 4-in. pots, per 100, $10.

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St.
NEW YORK: 14 Barclay St.
Greenhouses: Western Springs, Ill.

We have a LARGE and FINE stock of

KENTIAS AND LATANIAS

in POPULAR SIZES. Also Small Ferns, Cocos, Etc. Send for list.

Large Stock of AZALEAS JUST ARRIVED in Best Varieties and in Fine Condition.

USE OUR IMPROVED CUT FLOWER BOX.

Sample mailed free with list of sizes and cuts.

ELLIS & POLLWORTH, : : Milwaukee, Wis.

CHINESE PRIMROSES.

Ready for 3's. The finest grown. Single and Double, $2.00 per 100; $17.00 per 1000; 250 at 1000 rate.

XXX STRONG AND FINE, out of 3½-inch pots, choicest varieties, $4.00 per 100.

PRIMULA OBCONICA ROSEA. The finest of all the Obconicas; $2.00 per 100.

GIANT PANSY PLANTS. No finer mammoths ever offered; in choice mixture, $3.00 per 1000. Strictly cash prices. ☞Extras added liberally to help pay expressage.

THE HOME OF PRIMROSES.

JOHN F. RUPP, SHIREMANSTOWN, PA.

TRY SOMETHING NEW IN YOUR WINTER BLOOMING

ERICAS, plants, all pot grown, set with bud, handled as easily as an azalea with similar treatment.

CASH PRICES FOR OCTOBER DELIVERY:

ERICA MELANTHERA	4-in.,	per 100,	$20.00;	per 1000, $180.00
" PERSOLUTA ALBA	"	"	18.00;	" 150.00
" " ROSEA	"	"	18.00;	" 150.00
" REGERMINANS	"	"	18.00;	" 150.00
" CUPRESSIANA	"	"	18.00;	" 150.00

Larger sizes and other varieties at reasonable prices.

H. D. DARLINGTON, FLUSHING, LONG ISLAND, N. Y.

When writing mention the American Florist.

Hydrangeas

FOR FORCING.

Otaksa, Red Branched, Thos. Hogg,

4-6 CROWNS, $10.00 PER 100, 90 00 PER 1000.
2-3 " 7 00 " 60 00 "

These are magnificent strong plants and unusually good value for the prices asked. We promise satisfaction to the most critical. Order now while they can be shipped without danger of freezing.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

Please mention the American Florist.

	Per 100
ASPARAGUS Sprengerii, 2½-in. pots	$6.00
" Tenuissimus, 2½-in. pots	4.00
CAREX VARIEGATA, 2½-in. pots	5.00
GREVILLEA ROBUSTA, 2½-in. pots	5.00
VIOLETS, extra strong field-grown clumps of Princess of Wales	8 00
California	5.00

☞All of the above plants are in fine condition and are sure to give satisfaction.

NATHAN SMITH & SON,
ADRIAN, MICH.
Mention the American Florist.

Field-Grown ROSES, $1.00 per doz. $8.00 per 100. 80 varieties.
Plants 1½ to 3 ft. high. Address
WM. K. NELSON, Augusta, Ga.

100,000 PLANTS
READY TO SHIP!

		Per 100	Per 1000
PANSY PLANTS, large plants in bud		$0.75	$5.00
PETUNIAS, Dreer's, 15 varieties mixed	2½ in.,	2 00	18.00
BEGONIAS, 15 choice varieties named	2½ in.,	2.00	18 00
IRESINES, red and yellow	"	2.00	18.00
COLEUS, 14 varieties named.	"	2.00	15.00
VELVET PLANT	"	2.00	18.00
MAIDENHAIR FERN	2½ in.,	5.00	
ASPARAGUS PLUMOSUS	5 in.,	15.00	
FEVERFEW Little Gem	2½ in.,	2.00	15.00
PRIMULAS, Chinese mixed	"	2.00	18.00
" Obconica	"	2.00	18.00
" Auricula	"	3.00	
" Japonica	"	2.00	18.00
GERANIUMS, named, our selection	"	2.00	
Choice mixed	"	1.75	12.50
PELARGONIUM The Queen.	"	2.00	
Happy Thought	2½ in.,	3.00	
ANTHERICUMS, 3 varieties	2½ in.,	2 00	15.00
CIGAR PLANT	"	2.00	
JERUSALEM CHERRY	6 in.,	10.00	

....NEW PLANTS....

	Per doz.	Per 100
NEW YELLOW BABY PRIMROSE	2½ in., $1.20	$10 00
NEW GERANIUM De Roo Mitting	2½ in., 1.20	10.00
Double Snowdrop	" 1 20	10.00
LOBELIA Scarlet Bloom	" 1.20	10.00

CASH.

THE MORRIS FLORAL CO.
MORRIS, ILL.
When writing mention the American Florist.

...PRIMULAS...

From 2½-inch pots, ready for a shift into larger size.

$5.00 per 100. $40.00 per 1000.

We grow our own seed, keep each variety separate and guarantee an equal number of each color in every order sent out.

BEAR IN MIND we will have an extra fine lot of well-fruited

OTAHEITE ORANGE TREES,
ready for Christmas delivery.

Chas. Zeller & Son Flatbush, BROOKLYN, N. Y.
Cash with order from unknown parties.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description).
I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

THE BOSTON FERN A Specialty.
Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.
L. H. FOSTER, 45 King St., DORCHESTER, MASS.

3 More Sensational Novelties
THE GEM FORGET-ME-NOT, 3 COLORS.



PINK, WHITE, BLUE.

The compact and erect growth makes this new variety particularly useful as winter-blooming pot plants, as may be seen from photo. It is undoubtedly the

BEST FORGET-ME-NOT FOR CUT FLOWERS.

and, like the Baby Primrose, is sure to become popular. It is almost a perpetual bloomer and will give more flowers than any other plant we know, is perfectly hardy and blooms finely in cold frames.

12 plants, in 3 colors, 75c., or your choice of color for $1.00, by mail. 100 plants, 3 colors, $5.00; express prepaid. Large clumps to divide, $10.00 per 100.

GENUINE EDELWEISS
From the Mountains of Switzerland.

We intend to advertise this extensively and a great demand may be expected for it. Everyone knows that this highly-prized flower has become so rare that the Swiss Government has now stopped its exportation. When cut it lasts for years.

We have the only stock in this country.

Extra fine plants, from 2½-inch pots, $8.00 per 100: $1.25 per 12, mailed.

FINER THAN BOSTON FERN! THE LACE FERN! Polystichum Proliferum.

A hardy Fern, grows well under bench, lasts one month when cut, fronds sold at $1.00 per doz. here. Young plants, 50c. per 12, $4.00 per 100; larger, $1.00 per 12, $8.00 per 100, mailed.

ASPARAGUS SPRENGERI

2½-in., fine, $4.00 per 100; 3½-in., $7.00 per 100.; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

For Winter Blooming: New Acalypha Sanderi, $1.50; New Browallia Speciosa Major, $1.00; BABY PRIMROSE, 75c.; New Begonia Gracilis, $1.00; New Hibiscus Arcberi, $1.00; Euphorbia Jacquiniflora, $1.25; Bougainvillea Sanderiana, $1.00; New Primula Obconica Hybrida, 75c.; New Astilbe Chinense, pink, very fragrant, $1.50; Nægelias, 75c.; Golden Cestrum, 75c.; HARDY BEGONIA, 75c.—all these per doz. mailed.

Cycas Revoluta (Sago Palm), **$8.00 per 100 lbs.**

A. Blanc & Co., Philadelphia, Pa.

DRACÆNA INDIVISA

300 fine plants, 6-inch pots, $3.00 per dozen.

WINDSOR FLOWER SEED CO.,
No. 2 Milwaukee Ave., - DETROIT, MICH.

Azaleas, Bay Trees, Palms, Araucarias,
Stock enormous, quality the finest.
SANDER, Bruges, Belgium.
AGENT: **A. DIMMOCK,**
60 Vesey Street, - - - NEW YORK.

ASPARAGUS SPRENGERII

3-inch.....$ 6.00 per 100.
3½-inch..... 10.00 per 100.
Also larger plants at 25c, 30c and 50c each.

VICK & HILL CO., Rochester, N. Y.

25,000 CANNAS. Send list of you wants.
5,000 CARNATIONS, Scott, Portia and McGowan at 3c, or $25 00 per 1000.
VINCA MAJOR VAR. and SPIR.EA Anthony Waterer, field stock, 5c.
GENISTA, 2½-in. 3c. **MOONVINE,** strong rooted cuttings, $1.50 per 100.
HALLEANA HONEYSUCKLE, rooted cuttings, strong, $1.50 per 100. ☞ CASH PLEASE.
BENJ. CONNELL, Florist, WEST GROVE, PA.

The American Florist Company's
DIRETORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. **Price $2.00.**

AMERICAN FLORIST CO.,
324 Dearborn Street. Chicago, U. S. A.

DRACAENA INDIVISA CLUMPS
from open ground; fine stuff, ready for 6, 7 and 8-inch pots, 10c, 15c and 20c each.

SMILAX, fine 2-inch stock, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.
CASH WITH ORDER.

☞ OUR DIRECTORY FOR 1899 WILL BE MAILED TO YOU ☜
☞ PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS. ☜

Newtown, N. Y.

Referring to the universal inclination of florists to run together in one rut and thus ruin the market on certain things by over production, a bright light in the business was once heard to say that "if we could only know what our neighbors are or are not going to do, the question of what to do ourselves becomes an easy one." Gus. Schraeder, who has one of the best modern ranges of glass in this vicinity, is evidently determined to let his neighbors monopolize the competition and results of same in roses, chrysanthemums, carnations and similar commodities and devotes his establishment exclusively to "green goods." Here are four large houses of smilax, several of ferns and one very large and lofty house of asparagus. The latter is but a beginning, probably, of what should be a very profitable industry. Adiantum Farleyense is planted right out in the solid bed and seems to thrive like a weed under this treatment.

Next door is the establishment of A. F. Schraeder, father of "Gus." Three of the houses here have been recently rebuilt. Bedding plants are a staple commodity with Mr. Schraeder but, as an alternate crop, chrysanthemums and carnations are now doing duty. Scott is in excellent health and McGowan plainly finds soil in this particular locality much to its liking, for the plants of this variety have a sturdiness not often seen. Mr. Schraeder cultivates dahlias extensively and has a big field of them which, however, is now a total wreck owing to the late disastrous freeze.

SYRACUSE, N. Y.—The Central New York Horticultural Society has decided to hold no fall show this year.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other var., 15c per 100; $1 per 1000; if by mail add 10c per 100.

PARSLEY, strong plants 35c per 100; $2.50 per 1000; if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept. 15th.

Anton Schultheis, P. O. Box 78, College Point, New York City

ZIRNGIEBEL GIANT PANSIES

Seed at $1.00 per trade packet or $5.00 per oz.

Also plants of the above at $5.00 per 1000, securely packed to go any distance. Large transplanted plants for winter bloom at $2.00 per 100 (no dollar an oz. mixture in these plants).

DENYS ZIRNGIEBEL,
NEEDHAM, - - - MASS.

Special Quotations. **CYCLAMEN Persicum Splendens Giganteum,** finest strain in the world in four true colors, extra well grown plants from 3-in. pots, $7.00 per 100, $65 per 1000. Mixed, our selection, $6 a 100; $55 a 1000. **CHINESE PRIMROSES** (fringed foliage), best market varieties from flats, $1.75 per 100; from 2-in. pots, $2.00, from 3-in. pots, $5.00 per 100. Double white and red from 3-in. pots, $6 00 per 100. Single blue, same price. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

ALTERNANTHERAS, Red and Yellow. Rooted cuttings —per 100, 50c.; per 1000, $4.00. Also **Coleus, Geraniums, Petunias, Etc.** E. I. RAWLINGS, Quakertown, Pa.

JUST.... RECEIVED Azalea Indica



Our Azaleas are finer this year than ever; they are well budded and in good shape, bound to give satisfaction. The varieties are in market sorts **only.**

	Per doz.	Per 100	Per 1000
9 to 11 in. diam.	$3 50	$25.00	$225.00
10 to 12 "	4.00	30.00	275.00
12 to 14 "	5.00	40.00	375.00
	Per doz.		Per 100
14 to 16 in. diam.	$ 6.50		$ 50.00
16 to 18 "	12.00		90.00
18 to 20 "	15.00		110.00

20 inches and up, from $2 00 to $4.00 each.

FURTHER, WE HAVE ON HAND:

ACACIA PARADOXA, strong plants, 50c., 75c. and $1.00 each.

METROSIDEROS, bushy, 50c. and 75c.
" standard, $1.00 to $2.00 each

ASPIDISTRA, variegated, 10 to 15 leaves.....$1 00 and $1.50 each.
" green, about 18 to 20 leaves.....$1.25 "

RHODODENDRONS for forcing, well budded.....50c each, $5 per doz.
" specimen plants, well budded, 3 to 4 ft.....$3 each.

These Rhododendrons are showy; one plant forced well will decorate a large store window.

KALMIA LATIFOLIA, budded.....35c each, $3.50 per doz.

HYACINTHS FOR POTS, in the best forcing vars., named. Per 100, $5.50; per 1000, $50.

A few thousand Dutch Hyacinths. In order to clear out we offer as long as they last for $18 00 per 1000.

Also a full line of Tulips, Crocus, Narcissus, Daffodils, etc.

BOBBINK & ATKINS, Rutherford, N. J.

HERR'S PANSIES

The best is what you want: common Pansies are dear at any price. The "best florists" in the country are my customers; they will tell you there are no other Pansies quite so good as mine. Try them and you will say the same when they come into bloom.

PLANTS NOW AND UNTIL MARCH.

Free by mail, 75c per 100; 250 for $1.50; 500 for $2.50. By express, $4.00 per 1000.

ALBERT M. HERR,
LANCASTER, PA.

PANSIES

Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4 00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000. Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.

PLANTS. **..PANSIES..** SEEDS.

....THE JENNINGS STRAIN....

Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100 by express, $1,00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.

CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.

Say: "Saw it in the FLORIST."

ATTENTION!

Boston Ferns,
6-inch pots, - - $12.00 per dozen.

Primula Obconica Grandiflora,
$3.00 per 100.

Croton Aureum Maculatum
3-inch pots, $8.00 per 100.
2 " " 4.00 "

5,000 of that useful Hardy Herbaceous Plant.....
Rudbeckia "GOLDEN GLOW"
Write for prices.

EDWIN LONSDALE,
CHESTNUT HILL, PHILA, PA.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.
Mention the American Florist.

Franklin, Pa.

W. T. Bell & Sons are putting the finishing touches to a new carnation house, 20x116 in which a feature worthy of notice is the arrangement of the benches. These are four in number, terraced, one above the other, with paths between, the outer bench being about eight or nine feet above the ground. The space under this bench will be graded, cemented and transformed into a track for hauling soil and plants, a little car built for the purpose, taking the place of the wheelbarrow. The houses are so arranged that distribution to and from any of them is easily managed.

Little Chris, Mr. Bell's dwarf chrysanthemum, is inclined to sport, a few yellow flowers having made their appearance upon the original stock plants. Little Chris itself is well worth all the space allotted it and Mr. Bell is growing more of it this season than he ever did before.

HOMO.

Peoria, Ill.

Carnations, chrysanthemums and roses are plentiful here now but trade is good. During the recent carnival Cole Bros. had two fine decorations at the Greenhut's home, the occasions of President McKinley's and Governor Tanner's visits.

In the industrial parade J. C. Murray had two finely decorated wagons. Murray will handle nursery stock again this year, having done well with it last season.

Louis Miller's violets are in fine shape. He grows Marie Louise in solid beds.

H. Lockycar is now with C. Loveridge. Walter Adams takes his place at Murray's.

PEORIAN.

A. HERRMANN

Manufacturer of Florists' Supplies

Send for a price list.

404-406-408-410-412 E. 34th St., NEW YORK

GANE STAKES.

6 to 10 feet long,

$2.50 PER THOUSAND.

$2.00 per 1000 in 10,000 lots.

C. G. NANZ, Owensboro, Ky.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET, New York.

REED & KELLER.....

Florists' Supplies

122 W. 25th St., NEW YORK CITY.

SHEEP MANURE Thoroughly pulverized and ready for immediate application. ☞ Special prices to Florists and Seedsmen in lots of 20 tons and up.

Testimonials from Agricultural Department University of California. Send for sample.

GEO. C. ROEDING, Prop.

FRESNO FERTILIZER WORKS, FRESNO, CAL.

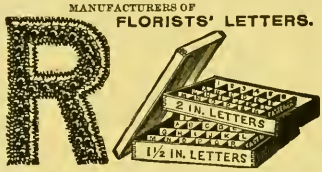
M. RICE & CO.,

EXCLUSIVE IMPORTERS AND MANUFACTURERS OF..... Florists' Supplies.

New Illustrated Catalogue Free for the Asking. 918 Filbert St., PHILADELPHIA.

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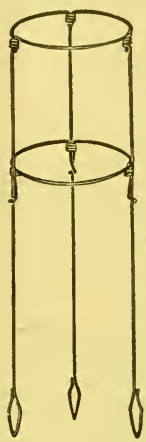
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Business is all that could be expected for the early fall and stock is now coming in plentifully. Roses, carnations, violets and chrysanthemums are all available.

At the recent meeting of the Pittsburg and Allegheny Florists' and Gardeners' Club the winter's programme was the principal topic for discussion.

At the last meeting of the Botanical Society of Western Pennsylvania it was voted to present the herbarium of the society, some 15,000 specimens, an almost complete collection of the flora of Allegheny county, to the Carnegie Museum, Pittsburg. Seven new members were accepted at the meeting and Superintendent Wm. Falconer, of Schenley Park, exhibited several new botanical specimens, among them the first seed of Lodoicea Seychellarum ever brought to this country. It weighs twenty pounds and an attempt is being made to germinate it at the Phipps conservatory.

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Other growers were active during the building season, Frey & Frey putting up a violet house and rebuilding two old structures, while Chapin Bros. built two carnation houses and C. B. Keller rebuilt his entire range, four houses.

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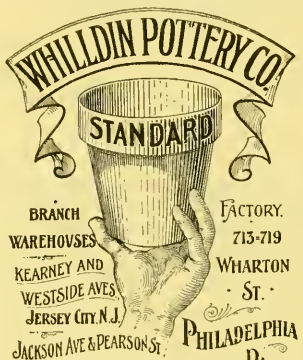
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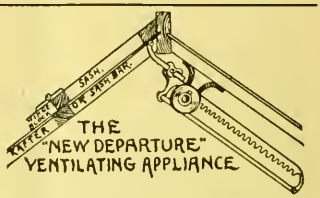
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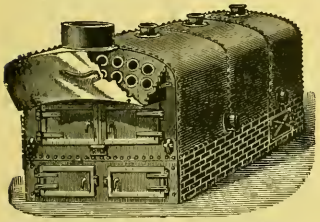
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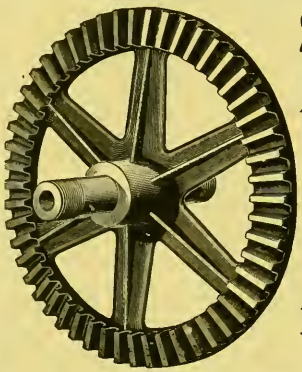
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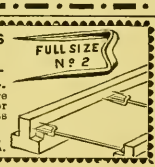
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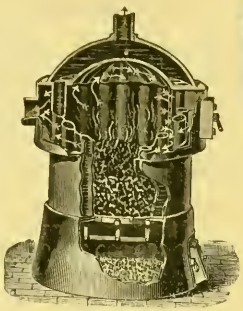
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324 Dearborn Street, Chicago.

Eastern Office: 67 Bromfield St., Boston.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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CHRYSANTHEMUMS.

CHRYSANTHEMUM SPORTS.

It is an interesting fact that the white chrysanthemum Mrs. Jerome Jones was cultivated by our growers about half a dozen years before it produced a yellow sport, and then it produced yellow sports simultaneously at many widely separated points.

The above paragraph appeared in our issue of October 21, and is commented on by Prof. H. J. Webber as follows:

"Such changes, or sports, are very probably reversions to the original color. Several cases of similar reversions have been recorded. For instance, Darwin says of the chrysanthemum: * 'This plant frequently sports both by its lateral branches and occasionally by suckers. A seedling raised by Mr. Salter has produced by bud variation six distinct sorts, five different in color and one in foliage, all of which are now fixed. The varieties which were first introduced from China were so excessively variable that it was extremely difficult to tell which was the original color of the variety and which was the sport. The same plant would produce one year only buff-colored and the next year only rose-colored flowers, and then would change again or produce at the same time flowers of both colors. * * * Mr. Salter informs me that with all the varieties the commonest kind of bud variation is the production of yellow flowers, and as this is the primordial color these cases may be attributed to reversion. Mr. Salter has given me a list of seven differently colored chrysanthemums which have all produced branches with yellow flowers, but three of them have also sported into other colors. With any change of color in the flower the foliage generally changes in a corresponding manner in lightness or darkness.'

"The synchronism of the variation above is somewhat remarkable, but it may probably be analogized with the reversions which occur late in the life of an individual plant, and in the case of a chrysanthemum propagated by cuttings all the plants grown from the cuttings are portions of the same individual. Many such reversions are recorded in literature, but they should not be confounded with the synchronism of variations in seedlings of certain sorts, which results in the production of the same novelty in various localities at about the same time. A case of reversion occurring late in the life of the individual plant came under the observation of the writer a few years ago. A seedling orange tree which had been bearing normal, sweet, smooth-skinned oranges for eighteen years, began in the nineteenth season to bear somewhat sour fruit, with very thick, rough skin and small pulp similar to the citron. The two kinds of fruit grew irregularly over the entire tree, often being found on the same branch not more than four inches apart. The tree was kept under close observation for two years after this peculiar character developed, but it was destroyed by the freezes of 1894-95."

*Darwin, Chas., Animals and Plants under Domestication, Vol. 1, p. 455.

NOTES ON SPECIMEN PLANTS.

The growing season with specimen chrysanthemums is ended. The flower buds and blooms are now developing. Whether they will be on time or not I do not think will depend on anything we may now do. I have never found that the plants can be hurried by any of the ordinary methods of forcing. Plants in a cool house are just as forward as those in closer quarters. Neither will any fertilizer I know of help them to any appreciable extent. Years ago some expert friends called on me a few days before the exhibition and decided I could not get W. H. Lincoln in. Nevertheless I had it in good condition on show day. They supposed I had given it a strong dose of sulphate of ammonia. I did nothing of the kind. A competitor placed a plant in the same condition of lateness in a forcing house, but failed to bring it in. It is stated that sulphate of ammonia and nitrate of soda will help the blooms to mature. I have never found it so. I have used nitrate of soda in small quantities during the past growing season with more satisfactory results than formerly.

Last season my plants were a week late. They are now full early. I stopped pinching earlier and disbudded closer, and this may, in a measure, account for it. One plant I have already in cooler, shady quarters to retard it. I have done this because it is the only thing I can do, but do as I will, the plant will come out with a lack of freshness, even if it does not loose some leaves. The condition of the foliage is always an important consideration with judges, and justly so. More than one decision has been made on it. When the blooms are expanding there is a great demand on the foliage, and unless the plants are in the best of health, with vigorous root action, they are liable to wilt badly when under strong sunlight. When so they have a

most dejected look. But if the plants have been carefully cared for, not surfeited with liquid fertilizer up to this time, and have a well developed and healthy root action, they should not wilt, or if at all, only after several days of dull weather.

When wilting occurs there is a temptation to water them, which would be a bad mistake. I prefer to overcome this by dampening the floors and benches, and this season I have done so with liquid manure, but this only as an experiment; whether the results are beneficial I can not say, but certainly it has done no harm. When wilting occurs I cannot help thinking the flowers must suffer in size and fullness. I have noticed that they are slower in coming into bloom. Overstaking and late staking must have the same effect and this is one of the disagreeable features of staking as compared with wiring. Against lack of visible evidence the plants must suffer in root energy when a mass of stake-buts are driven into the soil; and it must be greater when the practice is to give a stake to each flower. Rather than leave the staking until the last week or two, we should do it gradually, at two or three times, pulling the stronger shoots, which always make for the outside, into the center and the weaker ones out to light and air, where they will gather strength.

Packing plants for exhibition is critical work. All in between the flowers should be filled in with tissue paper. The plants should be drawn in from two sides at once, with broad bands of cotton cloth. We set them in boxes for a better traveling base, putting a cushion of hay beneath them, as well as making firm about the pots.

T. D. HATFIELD.

IN CHICAGO PARKS.

Washington Park was the first to install its chrysanthemums in the show house and the display is the largest and best in some years. There are more standards than ever before and each one is a good plant. There are not so very many sorts for so large a showing, not more than fifty, and the varieties are such favorites as Mutual Friend, W. H. Lincoln, Miss Agnes L. Dalskov, Glory of Pacific, President Smith, G. W. Childs, Ivory, Pink Ivory, L. Canning and Viviand-Morel. Hill's Black Beauty makes a hit, contrasting the lighter colors, and the best of the yellows is Georgiana Pitcher, especially six big bush plants in handsome jardinieres. There is in the lot one decidedly new seedling which Mr. Kanst has labeled, most appropriately, Queer. It is a bronze, Japanese, reflexed, of most peculiar form and color and may be good because it is different. He also has a good seedling as yet unnamed. It makes a fine, low round bush in a good-sized pot and is liberally covered with large red flowers with a yellow center. Nathan Smith & Son and others have been given it for trial and all pronounce it excellent for borders. An experiment was tried this year with a few plants of Midge, a compost of one-third wood ashes being employed, but there seems to be no difference between these and the plants in the regular soil.

At Lincoln Park there is every opportunity for the commercial grower to gain a number of very good points on the relative value of varieties. The stock here is a little late and will not be moved into the show houses until next week but there are 5,000 plants showing rapidly developing blooms and about 100 sorts, to say nothing of twenty varieties of anemones. The best of the old sorts have been preserved and a considerable number of the latest introductions are being tested. Among them are Idavan, White Flyer, White Plume, Carrie Belle, Independence, Xeno, Negoya, Kuno, Admiral Dewey, C. W. Ward's deep chrome yellow; Eclipse, the W. H. Chadwick sport; Adula, May's late white incurved; Queen of Plumes, Smith & Son's delicate lilac pink, and Mme. Ferlat, white tipped with gold. Of these plants 3,000 are grown to single stem and the show will be of much merit when ready. The bush plants and standards are all well shaped and well set with half open buds. Among the anemones there are several good sorts, among them Zoraida, Aglaia, Timbale de Argent, Tanager, Falcon, Toucan, Yellow Hammer and Titmouse.

Superintendent James Jensen, of Humboldt Park, has nearly doubled the number of chrysanthemums this year, having in all about 2500 plants. Of this number 1200 are grown on single stems, 1000 are bush plants in 6-inch pots and fifty are specimens in 10-inch pots. Three now measure from three to five feet in diameter and by the time they are at their best will measure fully seven feet. Fifty standards are also included, among the most noteworthy of which are Miss Florence Pullman, Mrs. Perrin and Mrs. J. G. Whilldin. In all there are about fifty varieties, among which the principal ones are Geo. W. Childs, Viviand-Morel, Miss Florence Pullman, Mrs. J. G. Whilldin, Niveus, Major Bonnaffon, Eugene Dailledouze, The Queen, Mrs Perrin, Mrs. W. C. Egan and Ivory. Of the latter variety there are 250 single stemmed plants and ten bush plants all of which look very well. Among the newer varieties the most noteworthy are Kuno, White Flyer, Xeno, Adele, John K. Shaw, Mdlle. Lucie Faure, Frank Hardy, Golden Wedding, Dean Hole, Maud Adams and Mrs. H. N. May. The plants will be ready for exhibition about November 2. Although Mr. Jensen is growing a larger number of plants this season, the general condition of the stock is not up to that of last year, due to the crowded condition of the plants as well as the poorly ventilated houses.

Douglas Park is growing about the same number of plants as last season, the total number being 1600, as many as 125 different varieties. There are 500 single stemmed and 500 bush plants, the remaining 600 being all standards. The principal pink varieties are Louis Boehmer, Waban, President W. R Smith, Viviand-Morel, Elmer D. Smith, Geo. W. Childs, E. W. Clark and Mrs. A. J. Drexel. In white the principal ones are, Mayflower, White Swan, Ivory, Mrs. H. Robinson, Mrs. Gov. Fifer and The Queen, the yellow being principally of W. H. Lincoln, Kioto, Georgiana Pitcher,



CHRYSANTHEMUM YELLOW FITZWYGRAM.



NEW ENGLAND PARK SUPERINTENDENTS AT PROVIDENCE, R. I.

Mrs. J. G. Whilldin, Golden Gate, Yellow Queen, Major Bonnaffon, Eugene Dailledouze and Harry L. Sunderbruch. The plants are all in fine condition, although, as in general, somewhat late. They will not be on exhibition to the public until November 4.

Head-gardener John Sell has just put his chrysanthemums on display at Garfield Park. He has only about 2000 plants, but enough for a larger showing than he is able to make in his limited space. There are upwards of 100 varieties in the lot, including some remarkably well grown bush plants of Mrs. J. G. Whilldin and Georgiana Pitcher. In fact these are the best varieties on the place, of whatever form. The stock here has not been replenished lately because of the lack of both space and money but the skill of the growers makes the display fully as attractive to West-siders as though the varieties were all this year's introductions.

CHRYSANTHEMUM R. HOOPER PEARSON.

I note what C. W. Johnson says about new varieties of chrysanthemums in the last issue of the AMERICAN FLORIST. The most pleasing new variety I have bloomed up to date is R. Hooper Pearson, an English sort introduced and offered by John N. May last spring. It is the first early yellow I have found with a perfect, deep golden shade. With me it is fully as early as Marion Henderson, larger and more compact in bloom; handsome in foliage, which is strong and healthy; stem very stiff without clubbiness. There is nothing fluffy or soft anywhere about the plant and I predict that it will take its place in commerce as the best and most beautiful early yellow in every respect. R. W. S.

CHRYSANTHEMUM YELLOW FITZWYGRAM.

This is the yellow sport of Lady Fitzwygram, known as Yellow Fitzwygram, which is in its third year with E. G. Hill & Co., of Richmond, Ind. The color is perfectly fixed and it is of a deeper shade than Mrs. Bassett, and not so bright as Marion Henderson. The plant has a stronger constitution than Lady Fitzwygram; but its chief merit is found in its being the earliest of the yellows—a fine companion for the latter variety and Mme. Bergmann. The Fitzwygrams can easily be had in bloom the last week of September, and even as early as the 21st of that month when early cuttings are used and the buds taken by July 25. Most failures with Lady Fitzwygram arise from neglect in these two important particulars. It is the most beautifully formed of all the earlies, lacking the stiffness of the Bergmann type.

WORK OF THE COMMITTEES.

October 21, 1899.—New York; Hewey A. Molatsch, Brooklyn, N. Y., exhibited Walter Molatsch, a yellow Japanese incurved variety, scoring commercial scale 89 points.

Philadelphia; above variety by same exhibitor was shown and scored commercial scale 87, exhibition scale 86 points. Wm. Paul Binder, Rider, Md., exhibited Georgiana McDonald, a reflexed white, which scored commercial scale 82, exhibition scale 83 points.

Cincinnati; Nathan Smith & Son, Adrian, Mich., exhibited Monrovia, a yellow Japanese variety, scoring commercial scale 85 points.

Chicago; Monrovia, by above exhibitor, scored commercial scale 83 points.

No report from Boston.

ELMER D. SMITH, Sec'y.

CHRYSANTHEMUM SOCIETY COMMITTEES.

The committees judging seedling chrysanthemums will be in session each Saturday up to and including November 25. Exhibitors should make their entries, for which a fee of $2 is charged for each variety entered, to the secretary not later than Tuesday of the week they are to be shown. All exhibits forwarded to the following addresses, express charges prepaid, will receive careful consideration:

Boston, Mass., A. H. Fewkes, Horticultural Hall, Tremont street.

New York, N. Y., E. Dailledouze, care New York Cut Flower Co., 119 West Twenty-third street.

Philadelphia, Pa., A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O., A. Witterstaetter, care Cincinnati Cut Flower Co., Fourth and Walnut streets.

Chicago, Ill., C. W. Johnson, care Illinois Cut Flower Co., 51 Wabash avenue. ELMER D. SMITH, Sec'y.

WITH THE GROWERS.

J. M. KELLER, BROOKLYN, N. Y.

One has only to glance at the plants to see the edges of the Christmas and Easter dollars sticking out in profusion among the boronias, heaths, cyclamens, acacias and ardisias in this establishment. Mr. Keller takes it all as a matter of course, just as though it happened by chance, but it did not. Heaths and boronias that last spring were midgets have just been potted in 6 and 8-inch pots and make an imposing array on the benches after their summer in the ground outside. It is needful that the boronias be kept very cool until buds are formed, otherwise they will start into rapid growth and then there will be nary a flower this year.

Mr. Keller finds the greatest difficulty with these plants to prevent their rotting off in the summer, especially those that are in their second year, and it is necessary to protect them from rain. This is done by a frame placed over them on stilts, open at the sides for air. Even with the greatest caution fully twenty-five per cent of the two-year-old plants have been lost during the past summer from this cause. Ardisias are seen here in one, two and three-year sizes, a regular succession being kept up from seed each year. They are as fine as they possibly can be and the advantage of importing this plant is not apparent when it can be so readily grown locally into much better plants than any imported stock can be after the confinement of a voyage.

Acacia paradoxa, which is said to be an improved form of A. armata, excelling in freedom and brightness of bloom, has come into such lively demand for Easter that much rubbish was worked off into the shipments from Europe last spring. Still, it is purchased at so low a figure abroad that it would not be possible to compete against the imported stock with home-grown plants under present conditions. Mr. Keller's cyclamens are sufficiently advanced to be well worth seeing. They have been culled out until only the finest are left. The advance in foliage marking is very striking, many of the plants being as effective as begonias in this way, without considering the flowers.

Poinsettias in pans are grown in considerable quantities. They are now in shallow pans, five or six plants, twelve or fifteen inches high, to each, after having been started in small pots, and must now be kept as cool as possible until ready for market. Primula obconica, in the improved forms, seems to be gaining in popularity now that the exaggerated fright over its poisonous properties has subsided. Those in bloom now show a great advance over the original forms, some of the individual flowers being equal to the ordinary strains of Chinese primrose. Those sowed last May are now in 6-inch pots. The baby primrose is too insignificant in flower to become popular, apparently, for the demand is exceedingly light. A splendid house of genistas, one of marguerites and several of azaleas in various sizes completes the list of flowering plants grown in quantity here.

The orchids, which are grown for cut flower purposes, comprise mainly Cattleya labiata and C. Trianæ and Dendrobium Phalænopsis. The latter are now in full bloom, rather earlier than usual. It has been claimed that Dendrobium Phalænopsis "runs out" after a year or two of greenhouse life, but Mr. Keller's plants, which he has had for four years and which are still in the original pots, show no indication of running out, the growths made this season being finer than any of the old bulbs on the plants. They are kept all summer in a house that is used as a cool house in winter and are given plenty of natural heat, an abundance of moisture and very little shade. The cattleyas, of which there is an immense quantity, spend the summer in the azalea houses, being transferred to the palm houses in winter, where they hang overhead and take up no room that could be utilized otherwise. C. labiata is just finished and C. Trianæ is beginning to slip out of the sheaths.

In the palm houses the kentia reigns. The custom of putting three young plants in the pot, around the stem of a larger one, has become popular, especially with K. Forsteriana. Latanias are sometimes used in the same way but do not "take" as well as the kentias. Livistonia rotundifolia is raised here from seed entirely and makes nice plants in a short time. Cocos Weddeliana are also raised in quantity from seed. They are very cheap now and sell best when in quite a small state, for ferneries, etc. A new, or rather little known, plant for the center of ferneries is Pitcairnia aphilandræflora. The foliage is glossy and the spike of scarlet flowers is exceedingly pretty. It is deserving of more general use.

Pandanus Veitchii and P. utilis have both been good sellers during the past season. The demand for these is rather uncertain, varying greatly from year to year. Dracæna Godseffiana's greatest drawback is its slowness. When it becomes sufficiently plenty to be lower in price than at present it is likely to take its place among the indispensable staples. Japanese fern balls have not met with the approval expected, but they take up no valuable room and can be suspended from the roof and left there till the demand materializes, which should be the case eventually.

A New Arabis.

The illustration shows a plant which bears the cumbersome name of Arabis alpina, var. Alba Plena Snowdrift. A more appropriate name, at least for commercial purposes, would be simply Arabis Snowdrift. The flowers are more or less double and are said to last well when cut. Florists may find the plant worthy of attention. The introducers are Hubert & Co., of Guernsey.



ARABIS SNOWDRIFT.

CARNATIONS.

PRUNING AND DISBUDDING.

It is impossible to lay down a series of set rules for growing carnations of the first grade. The soil, the houses and the condition of the plants vary so much that what is desirable in one place is just the opposite in another. We can, however, look to nature and be guided by some of her general laws, varying our practice to suit our conditions.

One of these laws is that judicious pruning will improve the quality and sometimes even increase the quantity of a crop. Some years ago it was predicted that pruning carnation plants would eventually become as universal as is disbudding. This prophecy has not yet been fulfilled, but the time is certainly ripe for its general adoption.

One of the first things to take into consideration in this matter of pruning is "that plants left entirely to their natural growth maintain a reciprocal action between the top and the roots and every branch removed must exercise an influence either beneficial or injurious." This thinning or pruning will therefore have to be done by a man with judgment and knowledge of the requirements of the plants. If left to careless or ignorant help the effects would undoubtedly be disastrous.

It is always in order to prune carnation plants if they are overcrowded through being planted too closely in the beds or are what carnation men call "grassy." These conditions are frequently unavoidable and the only relief is in the use of the knife. For the first operation remember that you are destroying the equilibrium between the top and the roots, so take out only enough branches to allow the light and air to get in among the branches which remain. Be careful to not over-water the plants for at least ten days after the pruning, so that the roots can more successfully adapt themselves to the reduction of the tops.

Crowded or "grassy" plants will be greatly improved by the thinning out of all dead, weak, deformed or misplaced branches, but if too many such branches are allowed to accumulate before pruning it rather disorganizes the root action of the plant, so that this form of cutting should be attended to quite as regularly as disbudding.

Disbudding itself is simply a modified form of pruning and the two should go hand in hand to produce the highest quality of blooms. The trial of a portion of a bench, treated as described above, beside another portion cared for by the old method, will convince you as to the profit in the course, as applicable to your market, or the uselessness of it. Is it not worth a trial? ALBERT M. HERR.

INDOOR-GROWN CARNATIONS.

It is our practice at this time to give the carnation beds a light mulching of well rotted manure and we find that the plants derive great benefit from it. Before putting on the mulch all the plants are neatly staked and tied and the soil cleared of weeds, when a light sprinkling of wood ashes is raked into the surface, after which the mulch is applied and watered with a rose to settle the whole evenly. The material for the mulch is made as fine as possible by being passed through a rough screen, which gives it an open texture which prevents its caking, also making it much better to handle.

Experience has taught us that to give a mulch at this time is better than to resort to applications of liquid fertilizer so early in the season. The principal aim now is to improve the constitution of the plants, which cannot be done by forced growth, which will be the result, especially during a period of bright weather, when liquid stimulants are injudiciously applied. This, too, is one of the causes of weak stems and bursted calyxes during the mid-winter days.

Every new growth now brings longer stems and finer blooms, which should be encouraged by disbudding and removing the side shoots. This should be done as soon as they are large enough to rub out. We do not advise syringing at all from now on but careful attention must be paid to ventilation so as to maintain an even temperature as a precaution against red spider. Of course should this pest appear in some close corner they will have to be disposed of by a few good syringings.

It is a good plan to fumigate occasionally, whether there is any greenfly to be seen or not, to prevent them obtaining a foothold, for if the plants are allowed to become infested when a full crop of buds is on it will be a hard matter to get rid of the pests without considerable loss.

Keep the soil in the same condition clear through. Do not allow the beds to dry out too much but when watering do it thoroughly; it is much better than to give the beds a light sprinkling every day or so. CHAS. W. JOHNSON.

In Middle Village.

The seeker after up-to-date floricultural information would find Middle Village a barren field for his investigations, although one street in the town boasts of over a score of "florists'" signs. Located midway between Brooklyn city and a number of other communities of more or less repute, although but half an hour's ride from New York, Middle Village is a city of the dead; cemeteries and stone cutters are its most prominent features and funeral processions the principal users of its poorly kept streets. One is not long in the place before he realizes that he is in an almost exclusively German community. "Familienpläke und Gräber werden aufs Beste während des Sommers in Ordnung gehalten" is the inscription on the florists' signs, and many of the features and customs of the place are so unfamiliar to the American eye that one might easily imagine himself suddenly dropped into some obscure corner of the Old World. On Metropolitan avenue, the principal street, which bisects Lutheran Cemetery, florists, stone cutters and "hotels" are strung out in surprising numbers and furnish solace, mental or physical, for the never-ending procession of mourners. A florists' establishment often consists of a little flue-heated sash house, sagging and decrepit with age, a tangled mass of old wire design frames from the cemeteries piled almost as high as the house and a roughly built "stand" on the side of the road hung with dried-flower emblems adorned with mortuary inscriptions and presided over by a dozing damsel seated on a box or wheelbarrow under a row of immortelle wreaths marked "Asleep." Sidewalks and paths, where there are any, littered continuously with scraps of dyed moss, cape flowers, etc., give convincing evidence that, in Middle Village at least, the despised artificial and dried flowers still hold their own.

The older part of Lutheran Cemetery is well planted and is a shady and beautiful place. The newer part is barren as to soil and the few stunted trees that have been planted give no promise of future attractiveness. There are many monuments of high merit scattered throughout the grounds, but, as in all cemeteries where individual freedom in such matters is permitted, many are grotesque to an extreme. Funny little white-painted iron cribs or bed-shaped contrivances indicating the outlines of a grave are very popular and big wooden "Gates Ajar," often of the rudest construction, loom up ten or twelve feet high, here and there, like spectre gallows, well calculated to give one the shivers after nightfall. Away out beyond the cemeteries stretch truck farms which are wonders of order and thrift, under high cultivation and a delight to look upon. Even here, too, the cemetery influence is seen, for a dollar is a dollar however earned, and pansies share the field with the leeks and parsley.

Established over a quarter of a century ago and showing evidences of good business and enterprise is the place of F. Marquardt, formerly Marquardt & Dlouhy. Mr. Marquardt's principal work is the grading and care of cemetery lots, in which he employs a large force of men during the busy season. The greenhouses, devoted principally to bedding plants in the spring are now filled with chrysanthemums, carnations, cyclamens, etc., in excellent shape. Pot chrysanthemums look well and Portia carnation is as good as it can be. Mr. Marquardt, as well as many of his neighbors, is a regular frequenter of the Thirty-fourth street market in New York city and he is "all right" socially and otherwise.

Helpful Reminders.

Hardy shrubbery and roses desired for winter and spring forcing should be cared for now. This stock should have been grown all summer in pots. It is possible to grow them in the open ground and lift them successfully but, with the ordinary florist, who has customers calling on him continually, he can hardly give the careful attention required for open ground culture. Do not cut back such shrubs as bloom on the new growth. As a majority of florists are situated, the most convenient method is to turn them out of pots, placing them on the ground in the shelter of a shed or greenhouse without heat. They can be packed quite high with earth between them. Before hard freezing cover thickly so that if frost does penetrate, it will not get out again until you let it out. The most satisfactory shrubs are forsythias, which come into bloom very soon after being brought into heat; the lilacs, Spiræa Van Houttei and S. Anthony Waterer. Of the roses Crimson Rambler is the most popular.

Tuberous begonias, gloxinias and caladiums should be drying. It is safest to keep them in pots until the foliage is fully ripened; then pack them in shallow trays or boxes with sand. Gladioli should all be stored now; the boiler room is a good place for them.

Roman hyacinths boxed in August should be nicely rooted now and a few may be placed under the bench of a warm house for early bloom.

Make up your mind now what varieties of geraniums and other plants you will propagate for spring. Keep looking for the best and discard the old varieties as fast as you find new sorts of greater merit. C. B. W.

New York.

HOT WEATHER MAKES SOFT STOCK AND HARD TIMES.—ROSES SUFFER IN THE EXTREME. — CARNATIONS AND VIOLETS SHOW EFFECTS. — CHRYSANTHEMUMS MISTAKE THEIR SEASON.—ROSE SOCIETY PLANS. — CONVENTION HEADQUARTERS SELECTED.—HAPPENINGS OF INTEREST HERE AND THERE.

Hard times have had their inning this week as far as the cut flower trade is concerned. Most varieties show badly the effects of the warm weather that has prevailed for such an unusual period and all through the list the quality is very inferior. Roses are soft and lustreless, with lots of mildew showing on the teas and with a washed-out, blue complexion on the American Beauties that makes them look anything but inviting. Carnations do not display their weakness when first brought in but they go off in a few hours and it is impossible to keep them in salable shape over night. Chrysanthemums of the early blooming sorts are already showing evidences of age, Glory of the Pacific being so bleached out as to be almost unrecognizable, while the late flowering varieties are coming in two weeks ahead of their regular time. Violets suffer probably more than anything else. They are so soft and their odor has been so thoroughly extracted by the high temperature that they retain but little fragrance after being unpacked and in a brief time they are actually offensive. Retailers are very shy of them, buying sparingly, and it is not surprising, under the circumstances, that 20 cents a hundred has been an acceptable price for many good lots during the past week.

Chrysanthemums in one form or another are the chief decorative features of most of the florists' windows. Frequently they are seen in combination with or set off by a background of mahogany tinted oak foliage and the effect is charming. Cosmos, which is plenty, too, just at present, also lends itself effectively to any combination with oak leaves. One Broadway window was beautifully fixed up with oncidiums this week, the pendant sprays making a shower-like effect in gold.

The wholesalers feel the present unfavorable conditions keenly. Customers are few and they buy gingerly. A favorite pastime with them at such times is to stand in the area in front of their domain and look first up and then down the street with a wistful gaze that would almost extract tears from a heart of stone. Mr. John Weir, when such conditions are on, sets an example in independent indifference that is very impressive and wholly beyond the power of the Greeks to copy.

The executive committee of the American Rose Society met at the Grand Union Hotel on Saturday, October 21. The matter of a schedule for the proposed exhibition and the raising of a guarantee fund was the principal business before the meeting. It was decided that the exhibition should take place in March.

The trustees of the New York Florists' Club met on Monday and a lengthy discussion of the ways and means for ensuring the success of the S. A. F. convention of 1900 was had. President-elect Wood and Secretary Stewart were present, representing the executive committee of the national society, and after a consideration of the available halls in New York the Grand Central Palace was unanimously selected as headquarters for the meeting and exhibition next August.

J. P. Cleary is to have a notable sale next week of Japanese dwarf evergreens and other curios. The catalogue which will be sent out will be on heavy Deckle-edge paper and richly illustrated with half-tone engravings, a work of art worth sending for, and the sale will be worth attending if for no other purpose than to hear "John P." enlarge on the peculiar merits of this stock and incidentally to encourage him with a bid or two.

John R. Weir has finally compromised on the famous flower stand at the corner of Bond and Fulton streets, Brooklyn, which he has been fighting over in the courts for a couple of years and the establishment is now being re-erected but considerably reduced in size. Mr. Weir now acknowledges that the conciliatory plan works best.

A. T. Boddington arrived in company with Mrs. Boddington, from his European honeymoon trip, per steamship New York, on Saturday, October 21, apparently in as good condition as when he started.

H. C. Rath has a handsome dark crimson seedling carnation which he has named Anna Millang, in compliment to the charming wife of Frank Millang.

Mrs. John H. Taylor, who has been seriously ill for a long time, does not improve and there is but little hope of her recovery.

Visitors in town: E. M. Wood, Natick, Mass; John Gibson, Newport, R. I.; J. C. Hatcher, Amsterdam and John G. Bahret, Poughkeepsie, N. Y.

Philadelphia.

MARKET IS AWRY.—HIGH HEAT HEAPS STOCKS.— FAKIRS IN THEIR GLORY.—PRICES ON BEST GRADES HOLD UP FAIRLY WELL.—ALL CHEAP LINES SUFFER.—BUSINESS QUIETS DOWN.—BEAUTIES AT CHESTNUT HILL.—LIBERTY TO BE OBTAINABLE.

The warm weather which we have had for the past few days is fast taking what little system there is out of wholesale flower selling. Stocks of all kinds, especially chrysanthemums, roses and carnations, are piling up at a great rate and the growers seem powerless to hold them back. Even top grades are affected and while quoted rates still hold, the count is found most generous and tempting. The streets are blooming, the fakir contingent seeming larger than ever. Carnations at 5 cents and 10 cents per dozen are offered on every side. Much of the stock is very good, that is, quite fresh, not later than the day before. Great quantities of roses are also hawked about at ruinous rates, 10 cents per dozen being the price for very fair flowers. The chrysanthemums are also beginning to stick and they will also soon find their way to the street. The only remedy seems to be cold weather and all hands, except the curbstone gentry, will no doubt unite in a little daily petition for the desired change.

Beauties of almost any length of stem are now obtainable; $3, $4 and $5 per dozen is the asking price for the extras; $2 will, however, buy some very fair stock. Teas are down; $3 to $4 per hundred will now buy almost the best, while the price per thousand will discount these figures by half or even more. Carnations are also on the slide, $1.50 now buying the best except for a few of the new and scarcer sorts. In quantities the buyer sets the figure, so anxious are the dealers for room. Chrysanthemums are to be had in any color but red; $3 per dozen is asked for Mr. Harris' Florence Harris, a light yellow and the largest in so far. The best of any other variety can be had for $2, while great quantities of good Ivory and Robinson, Queen and Whilldin are offered for $8 per hundred. Lily of the valley was scarce one day last week, all the stock being cleared up; the price is $3 to $4 as usual.

Business has become quiet, at least there does not seem to be as much doing in the stores as there was a week ago. Quite a number of weddings have taken place at which the decorations were elaborate and this demand helped greatly in using up the stock. A great many more such festive occasions could be handled, however, without drawing on other markets for supplies.

At Chestnut Hill they seem to think there is no demand except for the Beauty, both Edwin Lonsdale and John Burton having turned almost their entire places into this rose. At Mr. Burton's the roses look very well, being in fine, healthy condition. A top dressing of cow manure was spread in ridges between the plants and not placed all over the soil as is often seen. The new way is said to give the best results. A house of Brunners had broken very evenly and seemed as if they would make Christmas nicely. There did not seem to be a foot of table space but what was in profitable form, and Mr. Burton's patrons can rely on being served quite as well as usual, if not better, during the coming season. Mr. Lonsdale has also more Beauties than ever and they are in the best of health, the flowers being especially well colored. He has a good stock of Begonia Gloire de Lorraine in large and small sizes, also some fine Boston ferns.

Pennock has made arrangements to handle Scott's cut of the Liberty rose and will be in a position to supply cut blooms after November 15. K.

Boston.

SUMMER AND SURPLUS.—LOADS OF STOCK.—CHRYSANTHEMUMS NOT IN HIGH FAVOR.—NICHOLSON'S DARK RED.—SOME GOOD CARNATIONS.—A TALE OF WOE.—TWO SIDES TO THE STORY.—BRIEFS OF BUSY FLORISTS AND OTHER NOTES.

The summery weather continues and so does the surplus, also the chrysanthemums. One grower, in his despair, cried out yesterday "Call off your 'mums or we'll be undone." But the chrysanthemum growers are no nearer to unalloyed happiness than their colleagues in other lines, for the old-fashioned demand and the old-fashioned price are no more. In fact, chrysanthemums seem to no longer awaken any special interest in the public.

On account of the bulky chrysanthemums many of the habitues of the flower market find it necessary to ride to their destination in the morning in hacks. The entrance to the market on some mornings during the past week might easily have been taken for the scene of a wedding, with its procession of carriages. They say, however, that with the exception of a few specialties the prices realized are not in keeping with this stylish riding. Nicholson has been bringing in a dark red, Mons. Benj. Geroud, that he has been running on for two or three years, which is as early as Bergmann and brings a better price on the average than any other sort handled by him. Pierce still sticks to Gold Lode as a winning yellow. Chrysanthemums pale, however, before a bunch of his Bradt carnations, which are very fine.

Donald Carmichael has two seedling carnations which he regards as sure of popular favor. One, a cross between Scott and Daybreak, has Tidal Wave

color and Scott habit, with growth taller and stronger than the latter. The other is a white, Daybreak crossed with Edith Foster, and has the habit of Tidal Wave.

The woes of the hapless wholesaler at such times as these are many. A shipment of 800 carnations reached one of them on one of the worst mornings of last week, from a grower who had never sent any before but had been a good buyer, with the kind assurance that satisfactory returns would bring a regular succession of shipments. A return of $4 was made for them, in a spirit of conciliation, which, however, worked the other way and brought a mighty protest from the shipper. The wholesaler's response to this was the return of 650 of the carnations which were still unsold and a foot-note to the effect that $4 for 150 carnations just now ought to be satisfactory.

The Massachusetts Horticultural Society awarded a silver medal to Oakes Ames last Saturday for a cross between Cattleya Bowringeana and C. Dowiana and a certificate for a cypripedium hybrid between C. Lawrenceanum and C. ciliolare named C. Smithii var. Lucie.

L. C. Margot will, on November 1, move into a new store at 696 Center street, Jamaica Plain.

E. D. Kaulback bought the D. L. Taylor greenhouses at Malden at the recent sale.

One man is reported to be growing 22,000 longiflorum lilies for this market.

F. Sawyer is sending to N. F. McCarthy & Co. a promising scarlet seedling carnation.

The Horticultural Club held its first meeting for the season on Thursday evening, October 26.

The annual chrysanthemum show of the Massachusetts Horticultural Society will take place November 7 to 10.

E. M. Wood's annual invitation exhibition will occur at Natick on November 2.

In town: J. R. Paul, Nashua, N. H.; Winfried Rolker, New York.

Chicago.

HOT, BRIGHT WEATHER CAUSES A GLUT OF POOR STOCK.—GOOD ROSES SCARCE.—UPS AND DOWNS OF THE MARKET.—AN EXPERIENCE.—AMERICAN BULBS AT LINCOLN PARK.—DOINGS AT REINBERGS'.—SALE OF JAPANESE PLANTS.—IMPROVEMENT PLANNED FOR GARFIELD PARK.—BEREAVEMENT IN THE KENNICOTT FAMILY.—MUCH COAL, THE FIRST SEEDLING CHRYSANTHEMUM AND OTHER NOTES.

"The melancholy days have come, the saddest of the year." There are twice as many roses as can be sold at a profit and not half enough of the quality demanded by the shipping trade. It is true that the crop is off with some growers but with the majority this condition promises to come with the cool weather, which cannot be far distant. The heat has made all the stock soft and even good Beauties are hard to get. The carnation cut is increasing and the quality is not bad. As yet there is no serious overstock in this line. Early last week violets were a glut; on Saturday and Monday they were scarce; since then they have again been an overstock. Chrysanthemums are on in fair force. There are all grades, all colors and all prices. The hot weather has also had its effect on some of this stock, but as a rule the quality is good and the sale immediate. As yet the autumn belle has had little effect upon other stocks in market and it is anticipated that the cut, even when it is at its height, will move off without any such serious disturbances as have sometimes developed. Asparagus is scarce.

As an example of what sometimes happens it may be related that a grower at something of a distance wrote to a local commission house and complained that he had found dealing with his present Chicago consignor highly unsatisfactory and asked if the house in question would not like to pay him a fixed price for his cut. The house replied that it wouldn't, but that he might send in a sample of his stock. It came this week, soft, open Brides, Bridesmaids and Meteors, all in a dilapidated pasteboard box, and the express charges were 60 cents. A considerable display of indifference on the part of the commission man finally induced a fakir to give a quarter for the lot. Probably the grower will think he has another "kick" coming when he finds it out.

At Lincoln Park they have planted a big circular bed of hyacinths grown by George Gibbs at Orcas Island, Washington, and a consignment of tulips is on the way from the same place. The gardeners all agree that the hyacinths are splendid bulbs, noticeably larger than the Holland stock, hard and perfectly sound. A characteristic is that they are rougher than the Dutch bulbs. The varieties are Gen. Pellis, King of the Blues, Gertrude, Norma, Marie and Robert Stieger and Andreas Simon, of the *Staats Zeitung*, has samples of each which will be shown at the Florists' Club.

Reinberg Bros. made their first venture with chrysanthemums this year, growing three houses. The varieties are Mrs. Henry Robinson, Yellow Queen and Marion Henderson and so good are the blooms now coming in that chrysanthemums are likely to be a regular thing there hereafter. On October 24 this concern cut within a very few of 19,000 roses and the production is expected to nearly double within ten days. They are getting 6 cents for good Golden Gate and have regular orders for about all they can supply. They find the variety a prolific bloomer.

Williams, Barker & Severn have in progress at Steinway Hall an auction sale of rare Japanese plants. There were 360 specimens in all, some of them very old and some very unique. It was one of the best collections of this character ever brought here and was from the well known firm of Yamanaka & Co., Osaka, Japan, which has stores in New York and Boston. Four years ago the Boston branch established a nursery at Dorchester, Mass., to which point horticultural subjects are consigned and kept for a time before being offered for sale. In this case wealthy residents rather than florists are the buyers.

Let all those who are interested in floriculture and the extension of public patronage join in the wish that the West Park Commission may promptly secure from its insolvent treasurer, Dryer, or his bondsmen, every penny which they claim, for it has been announced that, in the event of its becoming available in season, from $60,000 to $100,000 will be expended for new conservatories and propagating houses at Garfield Park.

The Kennicott family has recently suffered bereavement in the death of Mrs. Hiram Kennicott, an octogenarian, an aunt of the Kennicott brothers, and a niece, Mrs. E. S. Beck, wife of the city editor of the *Chicago Tribune*, whose death followed within one week that of her baby daughter.

Bassett & Washburn have already housed 1500 tons of coal and expect to have 3,000 tons on hand December 1. Last winter they burned over 8,000 tons and in June contracted for another similar supply. Since then the market price on their grade has advanced 55 cents a ton.

The chrysanthemum committee viewed one seedling last Saturday, a yellow Japanese variety named Monrovia by Nathan Smith & Son, Adrian, Mich., to which they accorded eighty-three points on the commercial scale.

Ed. Roehrs, representing Julius Roehrs, of Carlton Hill, N. J., was in town this week disposing of a large shipment of cattleya blooms.

John Carson, of Chicago, is reported to have been robbed of his bicycle and $5 at Philadelphia, whither he had ridden in search of work.

C. A. Samuelson and his force went to Dubuque, Iowa, Tuesday night to put up an elaborate wedding decoration.

C. M. Dickinson is happy over the arrival, October 22, of a ten-pound son and heir.

O. P. Bassett leaves to-day to spend several weeks in the east.

Cleveland.

GOOD WEATHER HELPS BOTH STOCK AND TRADE.—MEETING OF THE CLUB.—AN AWAKENING PROMISED.—CHRYSANTHEMUMS TO BE FIRST DISCUSSED.

The phenomenally fine weather that we have enjoyed for some time past, still continues and stock generally, as well as business, has been greatly benefited thereby. Prices have not varied materially and, although the supply of carnations has increased somewhat, there is no good stock wasting. The quality of both carnations and roses has greatly improved. The latter are somewhat off crop just now with many growers.

At the club meeting October 23 the initial steps toward an awakening on the part of that organization, were taken. It has seemed for some time that the Cleveland Florists' Club was not fulfilling its proper mission and Mr. Cushman, the president, announced at the time of his installation, that there would be an attempt made to shake things up a little this winter, a work in which he will undoubtedly be supported by the members by their presence and active assistance at the meetings. Hereafter the second Monday in each month will be devoted to the discussion of some particular subject, which will be chosen and announced at the preceding regular meeting. The committee appointed has selected chrysanthemums as the most seasonable and suitable topic for the first attack, which occurs November 13. Everybody is invited and everybody will have a chance to talk so let everybody come.

A.

WINDSOR LOCKS, CONN.—H. A. Pinney has leased the building back of Coogan's pharmacy and will remove his flower store from the Mather building.

BROCKTON, MASS.—Each purchaser of a season ticket to the annual show of the Brockton Gardeners' and Florists' Club is to receive a present of a plant.

SEWICKLY, PA.—R. W. Hutchinson, chief florist for the Pennsylvania Railroad, is shortly to make a public showing of chrysanthemums in the company's greenhouses here.

LAWRENCE, KANS.—C. M. & S. E. Luther have put in a new hot water heater, made by the Ideal Heating Co., Oskaloosa, Ia., expressly for soft coal, and it works like a charm. Trade is good.

THE AMERICAN FLORIST

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No Special Position Guaranteed.

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Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

PLEASE send advertisements for the Autumn Number early.

FLORISTS are now threatened with another rise in the price of wire.

THE Hinsdale, Mass., fern dealers are this fall doing the largest business in their history.

BOUQUET green is evidently difficult to secure thus far, wet weather and scarcity of pickers interfering.

THE collection of hardy herbaceous plants at the Missouri Botanic Garden now includes 2,179 species.

IF the new ageratum Stella Gurney is as fine as the many things said of it, the acquisition to the list of bedding plants will be a decided one.

HELICONIAS are among the plants now regularly grown for the London market and they are quoted at three to twenty dollars each wholesale.

E. G. HILL states that the variety Monsieur Jarry Desloges, which has been on trial at Vaughan's the past season, is the best new canna he has seen in a long time.

THERE is in progress of construction for the College of Agriculture at Champaign, Ill., an agricultural building which is to cost $150,000. Among other subjects horticulture in all its branches will be taught here.

Fall Exhibition of the Horticultural Society of Chicago.

In addition to the 201 premiums offered by the society, the following special premiums have been offered by Messrs. Kennicott Bros. Co:

Class 6 A.—Best twenty-five blooms, chrysanthemums, Major Bonnaffon, $10.

Class 179 A.—Best three vases of fifty blooms, carnations, any varieties, $10.

Class 179 B.—Best fifty blooms of any variety of carnation, introduction of 1899, $5.

The Quaker City Machine Works offers as a second premium in Class 74, the International Competition in chrysanthemums, a $25 set of the Evans Challenge Ventilating Apparatus.

Having secured the Auditorium, perhaps the finest hall in America, for its exhibition and offering the most liberal list of premiums of any society in the country, the Chicago society feels sanguine of having a record-breaking show. The winner in the International Competition will receive $56 for a dozen chrysanthemum blooms.

The final announcements are now out and may be had by addressing the assistant secretary, room 1002, 185 Dearborn street, Chicago.

Growth of the Hail Association.

The following is a record of the growth of the Florists' Hail Association as shown by the annual reports on the first of August of each year:

Year.	Glass insured.	Reserve fund.
1888	811,951 Square feet	$ 491.23
1889	1,327,240 "	743.07
1890	2,132,118 "	1,322.46
1891	3,104,583 "	1,855.84
1892	4,078,725 "	2,542.13
1893	4,830,780 "	3,107.12
1894	6,653,695 "	3,639.55
1895	7,489,312 "	4,094.39
1896	8,003,820 "	4,621.77
1897	10,097,209 "	5,215.26
1898	10,189,697 "	5,862.48
1899	11,209,865 "	6,649.25

The square feet of glass insured has been increased nearly half a million square feet since August 1, 1899, and the reserve fund is now over $6,800.

The Liberty Rose.

Your Philadelphia correspondent, page 326, states that a spurious "Liberty" is being offered for sale.

Those who have seen flowers of the true Liberty would not be deceived.

Mention has also been made, I believe, that young plants were being offered to publishers of catalogues some months ago, and that some plants had actually been sold as Liberty and delivered!

The Simon-pure Liberty has been announced far and wide that it would not be disseminated until the spring of 1900.

Then who was the deceiver and whom the deceived? It would be interesting to know!

"The firm offering 'Mock Liberty' imported it under the impression that they were getting the famous Liberty!" Ha! ha!

Can such a state of affairs be possible in this enlightened age?

No honorable firm would undertake anything so reprehensible and questionable.

Indeed they would not. For Liberty could not legitimately have been obtained from the firm owning it other than through the legitimate and recognized sources.

Indeed it could not.

Then what standing has a firm in an honorable calling which offers for sale something which they could not possibly have in their possession honestly?

An interesting case, very.

And one that deserves investigation at the hands of the S. A. F. and a motion is hereby made that a committee be appointed for that purpose. H. G.

Greenhouse Building.

Fieburg, Me.—C. F. Goodnow, extending house.

Buffalo, N. Y.—Chas. Jansen, 1773 Broadway, one house.

Lincoln, Ill.—W. H. Gullett & Son, one house.

Baltimore, Md.—I. H. Moss, house 16x200.

Knoxville, Tenn.—Chas. W. Crouch, house 40x100.

Brooklyn, N. Y.—A. L. Miller, house 18x86.

Vincennes, Ind.—W. A. Reiman, carnation house 16x66.

Glendale, N. Y.—Henry Schemeckper, one house.

Holliston, Mass.—J. E. Long, one commercial house.

Nellistou, N. Y.—Adin Smith, one house.

East Mauch Chunk, Pa.—W. R. Butler, one house.

Gardiner, Me.—Z. DeF. Wiles, one carnation house.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

CHICAGO, NOV. 7-11.—Chrysanthemum show, Hort. Society of Chicago. Willis N. Rudd, Ass't Sec'y, Room 202, 185 Dearborn St.

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

BOSTON, MASS., Nov. 7-10.—Chrysanthemum show, Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society, Alex. Maclellan, Sec'y.

WORCESTER, MASS., Nov. 8-9.—Chrysanthemum show, Worcester County Hort. Society. A. A. Hixon, Sec'y, 18 Front St.

POUGHKEEPSIE, N. Y., Nov. 8-10.—Annual exhibition, Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill.

TARRYTOWN, N. Y., Nov. 10-11.—Chrysanthemum show, Tarrytown Hort. Society. Wm. McCord, Sec'y.

PROVIDENCE, R. I., Nov. 9-10.—Chrysanthemum show, Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St., Providence.

BUFFALO, N. Y., February 15-16, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

BROCKTON, MASS., Nov. 1-3.—Exhibition of Brockton Gardeners' and Florists' Club. Walter E. Baker, Sec'y, Box 220, Campello, Mass.

WACO, TEXAS, Nov. 15-17. Fourth Chrysanthemum show, Texas State Floral Society. Miss Bella Beer, Sec'y, Waco, Texas.

ST. LOUIS, MO., Nov. 14-16.—Chrysanthemum show, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

PHILADELPHIA, PA., Nov. 7-11.—Annual exhibition, Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Broad street.

BALTIMORE, MD., Nov. 13-18.—Chrysanthemum show, Gardeners' Club. Geo. Talbot, Sec'y, Clifton Park.

HARTFORD, CONN., Nov. 13-16.—Chrysanthemum show, Connecticut Hort. Society. C. H. Boykett, Sec'y, Hartford.

MADISON, N. J., Nov. 7-8.—Fall show Morris County Gardeners' and Florists' Society, Chas. H. Atkins, Sec'y, Madison.

ELMIRA, N. Y., Nov. 14-15. Chrysanthemum show, Elmira Hort. Society. R. R. Stockdale, Sec'y.

ORANGE, N. J., Nov. 15.—Show of New Jersey Floricultural Society. J. B. Davis, Sec'y, Orange.

MONTREAL, CAN., Nov. 8-9.—Invitation exhibition, Montreal Gardeners' and Florists' Club. Fred. Bennett, Sec'y, 136 Peel street.

TORONTO, CAN. Nov. 15-18.—Chrysanthemum show, Toronto Gardeners' and Florists' Association. D Robertson, Sec'y, Reservoir Park.

Blue Hydrangeas.

ED. AM. FLORIST:—What treatment should be given plants of Hydrangea Hortensia in order to make them produce blue flowers? W.

If the question were reversed growers in some sections would be puzzled to reply. There are plenty of localities where every plant grown comes uniformly blue. Any mineral agent in the soil will turn the color. Water impregnated with iron, applications of nitrate of soda, localities near the sea shore and other factors all tend to the same result. Our difficulty has always been to keep the color pink. A pot full of rusty water, oxide of iron, will turn the color of the pinkest hydrangea if given early, before the heads develop. E. O. ORPET.

I do not know how to produce blue hydrangeas nor have I ever found any one who could tell me. There is nothing certain about the blue hydrangea. As is generally understood it is but a change of color from pink to blue of the common Hydrangea Hortensia and H. Otaksa. Plants of the common form may be grown in tubs and after awhile one may take to producing blue flowers. Others in the same position and under the same treatment will maintain their typical pink color for years without change.

In this vicinity these hydrangeas are fairly hardy, and in many gardens and in cemeteries they are not uncommon. It is curious to note that without excep-

tion, so far as I have observed, these planted out ones invariably produce blue flowers after being out a year or two. I am told much the same thing exists at Newport, R. I. In a near-by cemetery is an immense bush hydrangea. Three years ago when I saw it, it carried over 500 heads of flowers, and they were all bluish pink, not so blue as others I have seen.

I have some H. Otaksa planted four years ago. These were frozen down last winter, not having been protected, but a few heads of flowers came on the shoots made from the base, as sometimes happens, and these were of a beautiful blue. Some years ago William Falconer showed me a batch of perhaps a dozen plants all raised from the same plant, and all had been treated alike and were planted in one spot; and there were normal pink, blue and intermediate shades in the lot.

It has long been known that cuttings from blue ones generally, if not always, go back to pink and it therefore seems impossible to propagate this color. It seems so universal here to see blue flowers on those left outdoors permanently, that I would advise a trial of it by those desirous of having them. The plants must be well protected, that the shoots are not frozen down. The loss of flowers follows loss of shoots, as, though the plants push up afresh from the ground, such shoots rarely give any flowers. In this respect this species differs radically from H. paniculata grandiflora, which rejoices in being cut down to the ground.

Philadelphia. JOSEPH MEEHAN.

Catalogues and Cut Flower Price Lists Received.

Johnson & Stokes, Philadelphia, Pa., farm seeds; New Jersey Moss and Peat Co., Barnegat, N. J., potting soil; L. E. Marquisee, Syracuse, N. Y., carnations; John N. May, Summit, N. J., carnations; John K. King, Coggeshall, Essex, Eng., garden seed; Wilhelm Pfitzer, Stuttgart, Germany, roses and bulbs; P. Lambert, Trier, Germany, roses; Roustan Servan & Co., Saint-Remy-de-Provence, France, seeds; Cincinnati Cut Flower Co., Cincinnati, Ohio, cut flowers; J. B. Deamud, Chicago, Ill., cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers; E. C. Amling, Chicago, Ill., cut flowers.

OBITUARY.

FRANCIS CASEY.

A native of Galway, Ireland, 52 years of age, Francis Casey died at Bangor, Me., in early October. He had gained no little fame as a landscape gardener and leaves a widow and five children.

C. T. FLETCHER.

Charles T. Fletcher, a well known landscape gardener and ex-member of the legislature, died at Lancaster, Mass., his native town, October 22, aged 73 years. In 1856 he became gardener to Nathaniel Thayer, retaining his connection with the family to his death, through three generations. He had held numerous public offices.

ALOYS MUELLER.

Aloys Mueller died at New Brunswick, N. J., October 8, aged 59 years. He was of German birth but had been in business at New Brunswick for thirty years. Besides being a successful florist Mr. Mueller was a botanist of uncommon attainments, a kind hearted man of erudition and strict integrity. Mrs. Mueller survives and has the sympathy of many friends.

WM. HANNAN.

The senior of the firm of Wm. Hannan & Sons, Dorchester, Mass., was the recent victim of failure of the heart. He was born in Ireland sixty-six years ago and in early youth was employed in his father's greenhouses. Coming to America at the age of eighteen years, the greater part of his life was spent in the vicinity of Boston. He had been in business at Dorchester nearly thirty years. He leaves eight children. The sons will continue the business.

ALEXANDER WALLACE.

The death is announced in the European horticultural press of Dr. Alexander Wallace, who had achieved no inconsiderable degree of distinction through his work with lilies. He was the author of "Notes on Lilies and their Culture," which had passed through two editions. Dr. Wallace was 70 years of age. He was educated at Winchester and Trinity College, Oxford, and practiced medicine successfully many years. The firm of Wallace & Co., imported largely of lilies, calochorti and brodiæas from Japan and the United States. These were cultivated successfully at the Kilnfield gardens, Colchester.

JOHN CASSIDY.

This veteran of horticulture, for he was in his eighty-fourth year at the time of his death, at Montreal on October 17, emigrated from Ireland in youth. He spent several years as a private gardener in Eastern Canada before establishing himself as a market grower. After thirty years in business, his land being required for building purposes, he became gardener for Thomas Peck, a position which he filled until three years ago. Mr. Cassidy was an enthusiastic and skilled plantsman and a member of the Montreal Gardeners' and Florists' Club, which organization was represented at the obsequies by a majority of its members and a handsome floral emblem. Mr. Cassidy is survived by one son, three daughters and a number of grandchildren.

GALION, OHIO.—John C. Engelhorn is successor to Fisher & Son.

CAMDEN, N. J.—Harry Sharp has painted and refitted his store, making a great improvment.

VINCENNES, IND.—Wm. A. Reiman is completing an addition to his already extensive establishment, a carnation house 16x66. He reports trade very good.

SECAUCUS, N. J. — H. Ram has six houses of Bonnaffon chrysanthemums that are in the exhibition class. He sent the first blooms to Bradshaw in New York on October 23, which is rather early for that variety in this section.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—Rose grower; 10 years' experience in largest commercial places. Best references. Address C H M, care Am. Florist.

SITUATION WANTED—By young florist on commercial place; 6 years' experience. Good references. JOHN CHRISTENSEN, 388 6th Ave., New York.

SITUATION WANTED—Private place, by Englishman: twelve years' excellent character. WARREN, 172 Hoggs Ave., Mt. Washington, Pittsburg, Pa.

SITUATION WANTED—By young man as assistant in greenhouses Experience equivalent to about four years. To begin about Jan. 1st Address W. S. VAN DOREN, Maredo, Wash.

SITUATION WANTED—As foreman, capable of taking charge; good grower of roses and general stock; 10 years in last position, growing for Chicago market, or could fill a private place References. Address WM. KIRKHAM, Box 111, Maywood, Ill.

SITUATION WANTED—As assistant on a first-class private or commercial place by a young man with five years' experience in roses Age 22. Best references. Near Phila. or New York. Address W J W, Box 108, Glenside, Pa

SITUATION WANTED—By a young florist as assistant on private or commercial place; eight years' experience in general greenhouse work. Age 21. Competent to take charge of small place. Good references. Address GEO. W. PHILCOX, Hartland, Wis.

SITUATION WANTED—As foreman or manager or where Al Beauties, Meteors and Tea roses are wanted; up to the top notch on 'mums, carnations, violets and general stock; sure and rapid propagator and grafter; 20 years' experience. German, married, small family. Only large place wanted. D D, care American Florist.

WANTED—General grower, sober and single. Address 722 N. 64th Ave., Oak Park, Ill.

WANTED—A good young man at once for greenhouse work. State wages CHRIST WINTERICH. Defiance, O.

WANTED AT ONCE—First-class man who thoroughly understands watering. State wages wanted. C. H. FREY, 1133 O St., Lincoln, Neb.

WANTED—A general greenhouse hand, also a night fireman for hot water boilers. Wages each, $ per month with board. W. L. SMITH, Aurora, Ill.

WANTED—A copy of issue No 4, October 1, 1885, volume I of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—An experienced single man to take charge of private place and a tend to horse and cow and do yard work. Wages, $20 per month, with board and lodging. Address, with references. LOCK BOX 453, Little Rock, Ark.

WANTED—Two good palm and fern packers; also palm and fern grower. Steady work for right man, with opportunity to learn full line of commercial work—retail, wholesale, mail. Address with full particulars. VAUGHAN'S SEED STORE, Box 658, Chicago.

WANTED—A reliable man to take charge of greenhouses to grow a general stock of cut flowers and p'ants for retail trade; must be sober, reliable, honest and capable of keeping himself and others at work; steady place to right man. FRED J. KING, Ottawa, Ill.

WANTED—Rose and carnation grower, one who thoroughly understands and can take charge of six houses State age and wages wanted with board, also telegraph address. If reply is satisfactory, will telegraph. Address JOHN L. WYLAND, De Haven, Pa.

WANTED—Florist as second man at private place. One who understands and is willing to take care of furnace during the winter; must also understand the business Wages, $25 per month and board. Steady employment year around to good man. Address with references G. A. JOSLYN, Omaha, Neb.

FOR SALE—Place of 7000 feet of glass, well stocked, and dwelling of 9 rooms. Have other business. Bargain. L. M. COTTLE, 722 No. 64th Ave., Oak Park, Ill.

FOR SALE—Good plant and cut flower business. 10,000 feet glass, good market garden of 10 acres, good live town of 12,000 Reason for selling, death of owner. MRS JULIA STEINHAUSER, Admr., Pittsburg, Kan.

A RARE CHANCE. The proprietor of a well-established place of 15,000 square feet of glass in a town of 60,000, about 60 miles from Philadelphia, desires to retire and will sell his stock, ALL IN FINE SHAPE, and lease the place for a number of years to party who is reliable and who has small capital. This is a profitable retail business, of which further particulars may be had by addressing..... **ROBERT CRAIG & SON,** Market and 49th Sts., PHILADELPHIA

GARDENER WANTED

To take charge of our greenhouses. Excellent opening for the right man.

W. N. RUDD, Mount Greenwood, Ill.

Danville, Ill.

A number of large funerals and a few receptions gave the trade a much needed boost the first ten days in October and kept most of the boys hustling for stock to fill orders. The demand for Beauties is increasing. Carnations remain scarce. Most of the roses are Brides and Bridesmaids. F. B. Smith & Son have nearly finished moving their plant back of Vermillion street and will cut up the former site into building lots. Steam is used in place of hot water and the boiler they have put in is a beauty, being large enough to take care of double the amount of glass.

There is an unconfirmed rumor that the florists will organize a bowling club in 1926; at present it is composed of one member, Wienold, of N. Admiral's, average score in ten games 57.

Duke was first in with chrysanthemums, Glory of Pacific and Mrs. Whilldin, but another week on the plants would have been better.

H. L. Harman, representing E. H. Hunt, of Chicago, visited the trade last week.

S. D.

Wholesale Cut Flowers

705 PENN AVE. 'PHONE 2157.

Am. Beauties



Chrysanthemums

CONSIGNMENTS SOLICITED.

Florists' Supplies

Wholesale Flower Markets

CINCINNATI, Oct. 26

Roses, Beauty	10.00@25.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 5.00
" Perle	2.00@ 3.00
Carnations	1.00@ 2.00
Lily of the Valley	4.00
Narcissus	3.00@ 4.00
Chrysanthemums	8.00@15.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Oct. 26.

Roses, Beauty	8.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 4.00
" Perle	3.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	4.00@ 5.00
Violets	.30@ .40
Chrysanthemums	5.00@12.50
" fancy	15.00@25.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Oct. 26.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " medium "	1.50@ 2.00
" " short "	.50@ 1.00
" Bride, Bridesmaid	3.00@ 4.00
" Perle	3.00@ 4.00
" Meteor	4.00@ 6.00
" Kaiserin	5.00@ 8.00
Carnations, fancy	1.50@ 2.00
Adiantum	1.00
Common ferns	.25
Smilax	15.00
Asparagus	60.00

PITTSBURG, Oct. 26.

Roses, Beauty	5.00@30.00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Kaiserin	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations	.75@ 2.00
Lily of the valley	3.00@ 4.00
Violets, double	.40@ 1.00
" California	.30@ .60
Chrysanthemums	4.00@20.00
Smilax	15.00
Wild Smilax, per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	.35
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c

VALLEY.

Beginning October 15th, the forcing of Lily of the Valley was commenced at the Rosebank Nurseries, and shipping will begin three weeks later. From that time on Valley will constitute one of the special products of Rosebank and will be constantly on hand, both summer and winter.

It is the intention of the management to make the Rosebank Nurseries headquarters for this product, and to that end a special offer of three dollars per hundred has been made to the trade on a contract for a year's supply. This offer is now withdrawn, and a new price of $3.50 per hundred is made to hold throughout the year to regular customers.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY				METEOR	per 100	$4.00 to $5.00
30-36 in. stem	per doz.	$3.50 to $4.00		BRIDESMAID	"	3.00 to 4.00
24 "	"	2.50 to 3.00		BRIDE	"	3.00 to 4.00
20 "	"	2.50		PERLE	"	3.00 to 4.00
15 "	"	2.00		CARNATIONS	"	1.50 to 2.00
12 "	"	1.50				
8 "	"	1.00				

Quotations subject to change without notice. All other stock at lowest market prices.

Violets, Valley, Beauties, Chrysanthemums.

ALL GRADES UP TO THE FINEST

AT REASONABLE PRICES.

E. C. AMLING, 51 Wabash Ave., CHICAGO.

W. S. HEFFRON, MGR. CARNATIONS OUR SPECIALTY.

G. L. HUSCROFT & CO.,

Wholesale Florists,

444 Sixth Ave., PITTSBURG, PA.

Long Distance Phone 2985. CONSIGNMENTS SOLICITED. We command a good market.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

P. O. Box 103, MILWAUKEE, WIS.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial.

...The American Florist.

CHRYSANTHEMUMS!

Buyers in this territory have always regarded us as **Headquarters** for Chrysanthemums, for all grades, but particularly the finest. We are in the same position this year. We can supply your every want.

ORCHIDS are one of our specialties; Cattleyas, very fine; also Dendrobiums and Cypripediums.

We have Fancy Carnations at all times and also the best of Rose stocks, Valley and Violets.

J. B. DEAMUD, 51 Wabash Ave.,
Successor to Illinois Cut Flower Co. CHICAGO.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: **ORCHIDS,** HIGH GRADE **ROSES, CARNATIONS and VIOLETS.**

FULL LINE OF ALL **Florists' Supplies**

Fall Bulbs Of All Kinds. Write for quotations on your wants now.

REINBERG BROS.
...WHOLESALE...
Growers of Cut Flowers
800,000 FEET OF GLASS.
We can fill orders on short notice with all leading varieties of ROSES and CARNATIONS.
We ARE Headquarters for fine AMERICAN BEAUTIES.
SALESROOM, 51 Wabash Ave., CHICAGO.
Mention The American Florist.

Cincinnati.. Cut Flower Co.,
416 Walnut St., CINCINNATI, O.
W. A. MANN. FRANK W. BALL.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

There are buyers for all kinds of stock advertised in the American Florist

Wholesale Flower Markets

CHICAGO, Oct. 27.

Roses, Beauty, extra long stems			3.00@3.50
" " 24 inch		"	2.50
" " 20 "		"	2.00
" " 15 "		"	1.50
" " 12 "		"	1.00
" " 8 "		"	.75
" Bride			3.00@ 4 00
" Bridesmaid			3.00@ 4.00
" Perle			3.00@ 4.00
" Meteor			3.00@ 4.00
" Kaiserin			4.00@ 5.00
" La France			4.00@ 5 00
Carnations			1.00@ 1.50
" fancy			2.00@ 3.00
Violets, double			.35@ 1.00
" single			.35@ .75
Lily of the Valley			3.00@ 4.00
Cattleyas	per doz.	3 00@5 00	
Dendrobiums		3.00	
Chrysanthemums, medium			2.00@ 6 00
" long			10.00@20.00
Mignonette			1.00@ 2.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy Ferns			.20
Smilax			10.00@15.00
Asparagus			50.00

WE ARE NOW CUTTING NEW
Brides, Maids and Beauties....
GEO. A. KUHL, Pekin, Ill.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS
Hunt's Flowers Go Everywhere
76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist
Don't Forget that we are at 4 Washington St., Chicago.
Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,
37-39 Randolph Street. CHICAGO, ILL
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Managar,
Wholesale Commission Florist
41 Randolph Street, CHICAGO.
Consignments solicited.....

A. G. PRINCE & CO.
Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.
Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.
76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.
42-44 RANDOLPH ST., CHICAGO.
WIRE WORK A SPECIALTY.

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST CHICAGO

Tell your wants in the American Florist.

LAKEVIEW ROSE GARDENS, WHOLESALE GROWERS OF CUT FLOWERS.

AMERICAN BEAUTIES, Per doz.
extra long stems.....$3.00
24 to 30 in.....2.50
20 in.....2.00
15 in.....1.50
12 in.....1.00
8 in.....50

BRIDES, MAIDS, METEORS, $3.00 to $5.00 per 100; PERLES, $2.00 to $4.00 per 100; GOLDEN GATE, ADMIRAL DEWEY, MME. CHATENAY, $4.00 to $8.00 per 100. CARNATIONS, $1.50 to $3.00; 'MUMS, $6.00 to $15.00 per 100. ☞Prices subject to change without notice. We can fill all orders on short notice.

.....Jamestown, N. Y.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

☞LONG DISTANCE 'PHONE AT EITHER PLACE

GALAX LEAVES

AND LEUCOTHOE SPRAYS.

To Dealers Outside of N. Y. State:

Choice Galax.....$0.40 per M
Choice Leucothoe.....2.00 "

Special prices to wholesale dealers. J. N. PRITCHARD, Elk Park, N. C.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Oct. 25.

Roses, Tea	2.00@ 3.00
" extra	4.00@ 8.00
" Beauty, extra	15.00@30.00
" " firsts	10.00@15.00
" " seconds	6.00@10.00
Carnations	.75@ 1.50
" fancy	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	35.00@50.00
Smilax	25.00@50.00
Adiantum	1.00

BOSTON, Oct. 25.

Roses, Beauty, select	10.00@35.00
" ordinary	3.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" Kaiserin	2.00@ 4.00
Carnations, ordinary	.75@ 1.00
" fancy	1.50@ 2.00
Lily of the valley	2.00@ 3.00
Violets, single and double	.25@ .75
Chrysanthemums	1.00@ 8.00
" special	12.00@18.00
Cosmos	1.00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

☞A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

EDWIN A. PARKER,

Wholesale Florist,

2408 Rosewood St., - PHILADELPHIA.

Consignments of Roses, Carnations and Violets solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

☞I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

BOSTON FLORISTS' EXCHANGE....

HEADQUARTERS for choice Roses, Violets, Carnations and Chrysanthemums.

Consignments Solicited.....

22 Chapman Place, BOSTON, MASS.

J. M. COHEN, Prop. TELEPHONE 2385

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. 57 W. 28th St., NEW YORK CITY.
rice list on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

Always mention the.....
American Florist
when writing advertisers

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St, NEW YORK.*
Roses shipped to all points. Price List on application.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Oct. 25.

Roses, Beauty select	10.00@25.00
" ordinary	2.00@ 5.00
" Bridesmaid, Bride, Morgan	.50@ 4.00
" Kaiserin, Meteor	1.00@ 4.00
Carnations	.50@ 1.00
" fancy	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Violets	.25@ .75
Chrysanthemums	2.00@25.00
Cattleyas	20.00@30.00
Smilax	5.00@ 8.00
Asparagus	25.00@35.00
" Sprengeri, per doz. bunches	1@1.50
Adiantum	.50@ .75

BUFFALO, Oct. 26.

Roses, Beauty	3.00@35.00
" Bride, Bridesmaid, Meteor	1.00@ 6.00
" Perle, Niphetos	1.00@ 6.00
" Kaiserin	1.00@ 6.00
Carnations, ordinary	.50@ 1.25
" fancies	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1.00
Chrysanthemums	3.00@20.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	50.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

GALAX LEAVES.
Brilliant Bronze and Green.
$1.25 per 1000. Price in quantity on application.
HARRY A. BUNYARD,
42 West 28th Street, : NEW YORK CITY.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO,
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply CHRYSANTHEMUMS in best quality and any quantity. VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

GREEN GALAX, NEW CROP NOW READY.
FINEST BRONZE FROM COLD STORAGE.
FOR PRICES ADDRESS THE INTRODUCER,
HARLAN P. KELSEY.
1106 Tremont Bldg., BOSTON, MASS.

Remember us to our advertisers.

NOW
'MUM'S
THE WORD.
ALL SIZES, COLORS, PRICES.
PACKED CAREFULLY.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

C. P. BRASLAN, representing the government seed contractor, Charles Parker, of Santa Clara, Cal., is expected east this month.

VISITED CHICAGO: T. Lee Adams, of Kansas City, Mo.; J. M. Kimberlin, of Santa Clara, Cal.; T. P. Sperry, with the Livingston Seed Co., Columbus, O.

THE United States Department of Agriculture is making an experiment in the growing of Lilium Harrisii upon the grounds of E. F. Sperry at Orlando, Fla.

K. WEZELENBURG, of Hazerswonde, succeeds the late Jac. Wezelenburg and will continue the business at Sassenheim, Holland, under the style and title of Jac. Wezelenburg.

ROCKFORD, ILL.—R. H. Shumway, Jr, accompanied his brother this week to Chicago where the latter was operated upon for serious throat trouble. The operation was successful and the patient is doing well.

NEW YORK.—Of the 870 cases of damaged longiflorum bulbs bought from the United States authorities, Mr. Dreyer, the purchaser, has sold enough to clear a profit of upwards of $600 on the transaction. The disinclination of many dealers to bid on the stock is said to have been due to a distrust of the forcing qualities of bulbs that had undergone such a heating.

Indianapolis.

MEETING OF INDIANA FLORISTS.—REGRET AT ABANDONMENT OF FLOWER SHOW.—A CHANGE IN NAME.—COAL SCARCE.

At the last meeting of the Society of Indiana Florists chrysanthemum shows were the main topic of the evening. There was surprise when it was learned how many inquiries had been made from all over the state regarding a show. Many members are deploring the fact that there will be no show here this year. In connection with the November meeting an exhibit of chrysanthemums will be held. Premiums will be offered on market plants, single stems and cut flowers.

Sonnenschmidt & Junge have changed their firm name to The Indiana Plant Co., to avoid embarrassments from their somewhat unique cognominal appelation. This establishment is erecting an up-to-date propagating house 10x50 feet which will be piped for both steam and hot water.

Coal continues scarce and very hard to get, some of the coal dealers being as much as six weeks behind with their orders. This causes much apprehension among the florists.

We are glad to report that Alvin Schreiber's little daughter, who has been critically ill with typhoid fever, is recovering. H. JUNGE.

Columbus.

BUSY TIMES IN THE BUCKEYE STATE.—UNDERWOOD'S NEW ROSE.—JOTTINGS HERE AND THERE AMONG THE GROWERS.

The advanced price of glass and pipe did not seem to deter Underwood Bros. from building an additional carnation house 20x165. It is a fine structure, well adapted for the purpose; and right here I will remark that there seems to be a general realization of the fact that the larger the house the better will carnations thrive in it; hence old structures and old methods are rapidly yielding to improvements. Mrs. S. J. Morton is a brand new rose, carmine in color, graceful in its general make up and borne on a long, stiff stem and a continuous bloomer. It originated with Underwood Bros., who intend putting it on the market next year.

At the Franklin Park Floral Co.'s establishment I found things in splendid condition. Mr. Knapp, the genial manager of the place, certainly has ample reason for being proud of his roses. His carnations, though a bit slow in coming, look well.

John R. Hellenthal has made a substantial addition to his fine residence on Moler street. As a grower Mr. Hellenthal is a decided success, while his geniality has become proverbial among the "bulb men," both on this and on the other side of the pond.

Gus. Drobish, the veteran florist, has no complaints to make. His mailing trade this year shows a marked improvement over that of the previous season, while local trade is improving all along.

S. F. Stephens, the cemetery florist, is very much alive, notwithstanding his surroundings. His chrysanthemums this season are as fine as any I have seen during my recent travels. HOMO.

TIFFIN, O.—The orphans' home here will shortly have another greenhouse.

WESTVILLE, N. J.—Louis Duncan is rebuilding the boiler house recently destroyed by fire.

RUTLAND, VT.—C. H. Miles now has a good range of 22,000 feet of glass, having added several houses during the past season, with a new office and potting shed. He has a fine stock and expects to largely increase his trade, both local and shipping.

BOBBINK & ATKINS,

Representatives of the following European Houses:

The Horticultural Co., Boskoop, Holland, H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs.

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Snoeck Bros., Gendbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

KENTIA SEED. EST. 1878.

Belmoreana and Forsteriana.

Guaranteed fresh 1899 crop—no old 1898 left over seed. Australian climate ripens seed by July-August. 100 seeds *delivered*, 60 cts.; 1000, $4.25; 10,000, $40. Sample dozen sent on receipt of 10 cts.

H. H. BERGER & CO.,
47 Barclay St., - - NEW YORK.

CALLA AETHIOPICA!

Fine, well-cured bulbs; from our own farm in California.

circumference.	per 100	per 1000
EXTRA SELECTED, 5 to 6 in.	$6.50	$55.00
FIRST-CLASS, 4 to 5 in.	4.50	35.00

300 of one size at 1000 rates.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

ESTABLISHED 1802

THORBURN'S SEEDS

Dutch Bulbs

AND

LILY OF THE VALLEY PIPS

for Forcing and Outdoor planting.

Florists and Dealers are invited to send for Trade List now ready.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Bald Head and Cauliflower Wibolt's Snowball.

Awarded highest prize at St. Petersburg in May, 1899.

LILY OF THE VALLEY PIPS.

PALM Seed. FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5.00	$13.50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

CINERARIA

Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.

CYCLAMEN

Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.

PRIMULA

Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.

PANSY

Rolker's Giant, $5.00 oz.; ⅛ oz. 90c. Trade pkt., 25c.

AUGUST ROLKER & SONS, 32 Dey St., New York.

Grand New Pink Carnation

THE MARQUIS.

100,000 ALREADY SOLD.

HAS received *Five First-Class Certificates*, including that of the American Carnation Society, and the *Silver Cup* at Philadelphia for best Pink, also *Silver Medal* of the Massachusetts Horticultural Society at Boston. It is, without doubt, the finest Pink Carnation ever introduced and has been so pronounced by experts.

ITS COLOR
is distinctive, being unlike that of any other Carnation. It is a TRUE PINK, with no trace of purple or magenta. It is an exquisite shade, soft and rich, and possesses a peculiar glow which makes it very attractive. It is equally beautiful by artificial light or daylight.

ITS FORM
is exceptionally perfect. It is very full and double and unusually well rounded and built up in the center. Its petals are beautifully serrated and quilled, giving it a unique and very graceful form. Its calyx is strong and ample and does not burst.

ITS SIZE
is phenomenal—3½ to 4 inches in diameter under ordinary culture—and often exceeds that.

ITS STEMS
are strong and average 2 to 3 feet in length.

ITS FRAGRANCE
is delightful.

ITS KEEPING QUALITIES
are excellent. Cut flowers will keep from one to two weeks. Flowers shipped from Syracuse to Chicago have kept finely for eight days after their receipt.

IT IS VERY PROLIFIC,
at least as free as the freest of the standard varieties and far freer than any other large variety. It makes no "grass." Every growth produces a flower. It is an absolutely continuous bloomer.

ITS HABIT
is strong, vigorous and healthy—free from rust or other diseases.

IT PROPAGATES READILY.
The loss in propagating is practically nothing.

IT LIFTS EASILY
and, owing to the mass of fibrous roots it makes, receives no perceptible check.

In a word, its COLOR, FORM, SIZE, FRAGRANCE, STEM and HABIT are ideal.

Strong rooted Cuttings, March to April, 1900, $10.00 per 100; $75.00 per 1000.

For Sale by

H. A. DREER, Philadelphia.
C. W. WARD, Queens, N. Y.
F. R. PIERSON, Tarrytown-on-Hudson, N. Y.
JOHN N. MAY, Summit, N. J.
F. DORNER & SONS CO., Lafayette, Ind.
AUGUST ROLKER & SONS, New York.
E. G. HILL & CO., Richmond, Ind.
VAUGHAN'S SEED STORE, New York and Chicago.

L. E. MARQUISEE, Syracuse, N. Y.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE Pecos valley in New Mexico is gaining a reputation for its apples.

OF plum, peach and cherry most nurserymen recommend trees one year old for planting.

A NEW cherry maggot, unlike the grub of the plum curculio has been discovered in Massachusetts and New York.

PROF. JOHN CRAIG made some 5000 crosses of fruits in Iowa during the present year, his first at the Iowa Agricultural College.

GRIFFING BROS. Co. has removed its headquarters from Macclenny, Fla., to Jacksonville, in an endeavor to expedite business.

THE newly appointed nursery inspectors in Pennsylvania are Geo. C. Butz, State College; Prof. S. B. Heiges, York, and F. M. Bertram, Philadelphia.

THE Great Northern Nursery Company, established at Baraboo, Wis., last spring with M. F. Foley as manager, is reported to be shipping about ten cars of stock this fall.

S. D. WILLARD, Geneva, N. Y., has 100 acres of fruit stocks and has been making some particularly strong displays of plums. Mr. Willard is 64 years of age and has lived in New York State all his life.

THE W. & T. Smith Co., Geneva, N. Y., report that this has been one of the busiest seasons they have had in some years. Nursery stock is advancing in price every day on account of the great shortage. Their trade in roses and ornamental shrubs has been particularly brisk.

Los Angeles.

A SPLENDID RAIN PUTS NEW LIFE INTO THINGS IN SOUTHERN CALIFORNIA.—RIVERSIDE WANTS EXPERIMENTERS.—LYON TO COMPILE FIGURES.—NEW STORES.—A BUG FAILURE.

The heaviest rainfall in early October for many years bathed, refreshed and greatly benefited the entire state last week. The dust deposit of the summer months is entirely removed from all foliage, which has changed to a lively green, and many varieties of trees and shrubs are already showing new growth, the result of the copious watering. Ofcourse all the florists are wonderfully pleased with such weather and, as rain in this country means prosperity, all are looking forward to good business during the coming season.

The horticulturists of Riverside county are wide-awake people and, with the vast amount of capital invested in horticulture, they believe their vicinity to be the proper location for a United States experiment station and are therefore endeavoring to persuade the Agricultural Department at Washington to establish such a station at once. We all hope success may attend their efforts.

William S. Lyon, of this city, has been appointed horticultural statistician for California for the census of 1900. The appointment was made by Jas. Wilson, Secretary of Agriculture, and the selection was made solely because of Mr. Lyon's competence to perform the duties of the position.

With the arrival of autumn all the stores are "sprucing up" and are being made as attractive as possible. This is also the season for new ventures. We already note the new store of E. R. Meserve, at 217 West Second street, in charge of the veteran florist, B. F. Collins. The Brose-Fleur Plant and Seed Co. have a cut flower department in their store on West Fourth street and we have heard of two other stores which are expected to materialize about November 1.

Among other "bugs" forwarded from the Hawaiian Islands by George Compere was a colony of cryptolœmus. This has almost entirely rid the islands of mealy bugs and it was hoped it might prove advantageous in destroying mealy bugs under glass but after a thorough test the result is disappointing, as they do not seem to thrive in the atmosphere of a greenhouse.

Fred. Rafferty, the widely known florist of Santa Ana, made a profitable trip to this city a few days ago, disposing of nearly all his surplus stock. D. R. W.

LINCOLN, ILL.—W. H. Gullett & Son are building a new house, the fourteenth in their model range.

CHATHAM, ONT.—Miss F. Tissiman has a fine range of eight houses and has added a new boiler. Prices are very low on both plants and cut blooms.

EVERGREEN, ALA.—Geo. W. Caldwell has incorporated under the name of Caldwell the Woodsman Co., and has a reliable business man in the office, himself "taking to the woods" to watch the cutting and packing of the crop of wild smilax. The company proposes to put this industry on a solid footing.

I have a large stock of 2 to 3 year old, extra strong field-grown

CLEMATIS

with 30 per cent Jackmanni or extra strong 2-year cultivated plants, in 6-in. pots, with 50 per cent Jackmanni, $7 per 100, $60 per 1000; without Jackmanni, $6 and $50; only Jackmanni, $9 & $80. References required from unknown correspondents.
J. CROENEWECEN, Boskoop, Holland.

HARDY SHRUBS.

Assorted in twenty varieties, 1 and 2 year old, fine plants $50.00 per 1000. Three and four years old, strong bushes $80.00 per 1000. Descriptive catalogue and wholesale price list of ornamental nursery stock for all in the trade.
SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS A SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

ALPINE AND Herbaceous Plants.

Stansfield Bros. wish to call the attention of their American patrons to their large and extensive stock of Choice Alpines, Herbaceous and Old Fashioned Garden Perennials. *Catalogues on application.*
100 Alpines 40s. 100 Herbaceous Plants 40s, free on boats Liverpool.
STANSFIELD BROTHERS,
SOUTHPORT, ENGLAND.

For Parks, Cemeteries or Private Grounds
we can furnish a very large and superior stock of
FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.
Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.
Remember we are Headquarters for Nursery Stock in the East.
Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.
SATISFACTION GUARANTEED. ADDRESS...
STEPHEN HOYT'S SONS, New Canaan, Conn.

250,000 MILLER'S RED RASPBERRY PLANTS.
300,000 EARLY HARVEST BLACKBERRY PLANTS.
150,000 LUCRETIA DEWBERRY PLANTS.
All of the above at $5.00 per 1000.
125,000 STRAWBERRY PLANTS, four of the best leading sorts, at $2.00 per 1000.
125,000 PEACH, 1 year from the bud and June budded, in surplus.
20,000 JAPAN PLUM, 1 year from bud, also in surplus.
MILFORD NURSERIES,
ALEX. PULLEN, Prop. MILFORD, DEL.

H. P. ROSES. Doz. 100.
Strong 2 year plants, own roots.....$1.50 $10.00
Double white Poet's Narcissus..... 1.00
Monthly Roses from pots or open ground 8.00
PAEONIES for fall planting in choice assortment, $10 per 100.
CLEMATIS for fall. Write for prices.
F. A. BALLER, Bloomington, Ill.

HOME OF CHOICE TREES and Hardy Plants.
SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias Blue Spruce.
NEW INTRODUCTIONS of HARDY PERENNIALS.
NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. Catalogue free.

NURSERYMEN....
IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

KENNICOTT BROS. CO.

Wholesale Cut Flowers,

42 and 44 E. Randolph St., CHICAGO, ILL.

CHRYSANTHEMUMS! FOR ALL. SMALL, LARGE and EXTRA FANCY. Prices to suit, 10 to 30c.

Roses! CHOICE, MEDIUM and HIGH-GRADE. EXTRA SELECT BRIDE, BRIDESMAID, METEORS, PERLES, $3.00 to $4.00.

Wire Work.

Carnations! OUR SELECTION, $1.00. GOOD, MEDIUM and FANCY, $1.50 to $2.50.

SEE. SEE.

We discount any list; send it in; we will make a lower price. We don't care who we step on.

Violets! LADY CAMPBELL, FARQUHAR and MARIE LOUISE. All choice, never better, $1.00 to $1.25.

LEUCOTHOE, 10 cts. per 100. GALAX, Green, 20 cts. per 100; $1.50 per 1000.

Valley! THE BEST, $4.00 to $5.00.

SMILAX, 15c. HARDY FERNS, $2.00 per 1000. 25c per 100. ADIANTUM, 75c to $1.00.

Am. Beauty, Short, 75c to $1.00. Am. Beauty, Medium, $1.50 to $2.00. Am. Beauty, Choice, $3.00. Am. Beauty, Fancy $3.50 to $4.00.

AZALEA AMŒNA.

The best dwarf, hardy Azalea. Strong plants from open ground, $3.00 per 10; $25.00 per 100. Strong, bushy plants from 3½-in. pots, $1.50 per 10; $12.00 per 100.

Send for catalogue of **Hardy Trees and Shrubs.**

SAMUEL C. MOON,
MORRISVILLE, (Bucks Co.), PA.

CARNATIONS Field-Grown Plants.

Tidal Wave, McGowan, Morelio, Pierson, Meteor, Scott, Daybreak, Pingree, Jubilee and Dorner, $3.00 per 100; $25.00 per 1000.

Hermosa and H. P. Roses, $10.00 per 100.
Irish Junipers, 15 to 18 inches high, $8.00 per 100.
" " 3 feet high, $20.00 per 100.

JOSEPH HEINL, Jacksonville, Ill.

1800 DAYBREAK, 300 METEORS

is what I have left in **Field-Grown Carnation Plants** and are extra fine; $4.00 per 100 or $30.00 per 1000.

W. A. WETTLIN. Hornellsville, N. Y.

BROWALLIA GIGANTEA.

Fine plants to grow on for your Xmas trade. Rooted cuttings..... $2.00 per 100
Out of 2½-inch pots, bushy..... 4.00 "
Out of 3½-inch pots, bushy..... 6 00 "
Samples for 10 cts. in stamps.

HENRY EICHHOLZ, Waynesboro, Pa.

PANSIES.

Fine plants from my own select strain, **$4 per 1000.**

PRIMULA FORBESI, blooming plants in 2½-inch pots, $3.00 per 100.

VINCA VAR. MAJ., strong field clumps, $5 per 100.

CASH. **W. J. ENGLE.**
Cor. Xenia Ave and Dover St., Dayton, O.

40,000 'MUMS

Between now and Christmas we shall market the entire cut of one of the largest growers about Chicago, 40,000 first-class flowers, A1 in every respect.

We are exclusively **Rose Growers** and can supply the best qualities, including American Beauty, at all times.

We are also in a position to fill orders for the most popular varieties of **Carnations.**

All orders shipped at market prices within two hours of receipt.

..THE..
VARIETIES.

PINK.
Glory of Pacific,
Maud Dean,
Mrs. E. G. Hill.

YELLOW.
Yellow Queen,
Major Bonnaffon,
Golden Wedding.

WHITE.
Fee du Champsaur,
Mrs. Jerome Jones,
Frank Hardy,
W. H. Chadwick,
Wanamaker,
Mayflower,
Ivory.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

When writing mention the American Florist

Field-Grown Carnations!

FLORA HILL, DAYBREAK, SCOTT, PORTIA, CARTLEDGE, VICTOR.....

Extra Fine, at Low Prices.

J. J. STYER, Concordville, Pa.

DRACAENA INDIVISA CLUMPS

from open ground; fine stuff, ready for 6, 7 and 8-inch pots, 10c, 15c and 20c each.

SMILAX, fine 2-inch stock, $1.25 per 100; $10.00 per 1000.

J. B. HEISS,
The Exotic Nurseries. DAYTON, OHIO.
CASH WITH ORDER.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The following scores were made on the alleys on Monday, October 23:

Player	1st	2d	3d	4th	Av.	
Burns	124	169	152	157	151	
Small	152	166	101	156	144	
Schenck		169	155	169	144	
Lang			130	155	133	139
Marshall	125	150	117	157	135	
Traendly	166	98	133	141	135	
Siebrecht	107	112	145	133	124	
Withers	119	150	110	114	123	
Rose	123	136	118	112	122	
Shaw	110	103	91	115	105	

F. H. T.

At Philadelphia.

Eighteen players started in a handicap contest at Philadelphia last week but only nine finished, Connor winning the silver-headed cane offered as a trophy. The records of the past two months were employed as a base for the handicaps, the man with the high average was placed at "scratch" and each man with a lower average was given seventy-five per cent of the difference between his average and the "scratch" man's average as a handicap. This gave the high men some protection against a chance score by a weaker player and at the same time gave the low men the chance that those above them would not equal their two month's record. There was much interest and some good scores, George Moss making 214 and W. J. Baker 222. Play was begun on Thursday but was not finished until Saturday, each man rolling three games. Here is the record of those who finished:

Player	Pins	Handicap	Total
Connor	499	39	538
Anderson	471	54	526
Watson	380	102	482
Craig	417	63	480
Starr	408	66	474
Stoneham	342	117	459
Johnson	429	18	447
Kift	398	39	437
Baker	389	45	434

K

Flatbush Defeats New York.

There were happy hearts in Flatbush last Thursday night, for the bowlers had "got a move on" and the haughty New Yorkers had been humbled and the series of games tied in a brilliantly played trio of strings in which Louis Schmutz had covered himself with unfading glory. It was evident, from the bearing and manner of the great six, that they realized that the eyes of the world were upon them, as at the call of time Riley stepped to the line and delivered his first ball. But when Burns shuffled up in his white slippers to the chalk mark with a "now watch me" air and sent one of his famous cross-balls singing down the alley for the first strike of the evening, it was plain that New York was primed for a game struggle. As the game progressed neck ties were taken off, then collars, and other items of apparel and as one strike after another and successive difficult spares were made on both sides, enthusiasm ran high until Louis Schmutz set friends and opponents alike to cheering wildly over a whirlwind finish of five successive strikes and thus clinched the first game. "Jimmie" Donlan served as umpire and kept a sharp look-out for fouls. On the observation benches were Papa Zeller, Victor Dorval, W. H. Siebrecht, J. Butterfield, Geo. Bennett, John Phillips, W. J. Stewart, Paul and Henry Dailledouze, and Mr. Rupert from Dreer's. W. A. Prosser scored and this was the state of the blackboard when he got through:

NEW YORK.				FLATBUSH.			
Player	1st	2d	3d	Player	1st	2d	3d
O'Mara	131	142	175	Riley	133	137	161
Traeudly	134	109	108	Zeller	147	134	178
Burns	154	169	122	Schmutz	201	136	183
Roehrs	121	129	150	Raynor	115	127	144
Withers	117	116	127	Mellis	135	156	121
Lang	186	153	137	Dail'douze	155	214	179
Total	843	818	828	Total	889	894	966

With Philadelphia Gunners.

The gunners had a shoot at Wissanoming last Tuesday afternoon, the final for the prizes offered by A. B. Cartledge, first, a cut glass tea set; second, a cut glass cigar jar. The boys had their "good eyes" with them and some fine scores were made. Miss M. Kirkwood, of Boston, was present and showed the boys a thing or two about handling a gun, coming in second. Wolstencroft was first for the series and W. K. Park second. The score follows:

Name.	Unknown and doubles.	Known angles.	Handicap.	Tl.
Bell	21	17	17	55
Park	23	20	12	55
Dorp	20	13	20	55
Wolstencroft	25	23	4	52
Cartledge	20	20	11	51
Harris	17	16	17	50
Barrett	16	12	19	47
Westcott	14	13	18	45
Webster	10	14	18	42
Parsons	17	12	13	42
McKaraher	14	15	13	42
Daniels	13	11	..	24
Swindler	22	15	..	37
Miskay	21	22	..	43

Points won in the series—Wolstencroft, 10; Park, 8; Cartledge, 6; Dorp, 6; Smith, 5; Harris, 5; Anderson, 4; Bell, 4; Webster, 3; Westcott, 2; Barrett, 2. K.

Plan for a Handicap Contest.

During November the members of the Philadelphia Florists' Bowling Club will conduct a handicap contest sure to arouse considerable interest and the rules governing the competition are here set forth for the benefit of other clubs which may be planning contests for the winter:

1. Twenty-five games to be rolled during the month of November.
2. Not more than three games in any one day.
3. Two other members must be bowling when game is rolled, and candidate must declare his intention that the game is for this series before he commences.
4. Handicaps to be taken from the members' monthly averages—the most recent three months' recorded.
5. The member holding the highest average for the three months shall be scratch man and all below him shall receive seventy-five per cent of the difference as a handicap added to their score.
6. The entry fee for this series shall be 50 cents, to be paid to the committee before candidate commences the series.
7. The revenue from entry fees shall be used in the purchase of prizes, fifty per cent of it for first prize, thirty per cent for second and twenty per cent for third.
8. All games to be paid for as usual.

ROBERT KIFT,
GEORGE ANDERSON,
GEORGE C. WATSON,
} Committee.

CHESTER, PA.—Thos. F. Delahunt annually secures some good advertising from the work which he does at the grounds of the Chester Hospital.

CHAPTER IV.

You Can Buy a Case of Smilax for an OLD PAIR OF PANTS When This Gentleman Enters the Business.



EVERGREEN, ALA., 99.

Dear Sir:—For the last year or two there has been a great deal of competition in the Southern Evergreen trade and this year it is going to wage more fiercely than ever. The trade at Evergreen, Ala., is represented by all classes of people, some of whom have been employed by me for a few weeks or a season, having gotten on to the floral trade papers and Florists' Directory, think they are on the road to large packing houses and private telephone lines.

Others that know absolutely nothing of the trade, but by hovering about the express office manage to hook a few names off of other shippers' boxes and send out circulars. There are farmers and truckers, carpenters and laborers; there are merchants who mix bacon, cotton and smilax trades and there are little boys. Every day I am told that So and So are going into the evergreen trade. These people ought to raise a monument to my memory when I die, for I have certainly founded a great industry for the South. But instead of planning to do so the ungrateful wretches are wishing only that I should die pretty quick, or "bust," or something—anything so that they may get the trade that I founded. No matter about that, for you are doubtless getting dozens of price lists, quoting all kinds of prices for this class of goods, and I am of the opinion that before long some of my "nigger" help will be into it too; in that case, my friend, no money at all will be required, for you can probably get a case of Smilax then *for an old pair of pants.* Now to the point. In the midst of all this competition there ought to be some standard as to what a case of Smilax consists of; how large the case should be; what it should weigh empty; what it should weigh packed; how much it should contain and the amount of wall space it should cover. *Competition that cheats is no competition at all.* There are standard flower pots, standard cases of holly and 12, not 11, carnations make one dozen. I have introduced every feature that has ever been put into the Smilax trade and I therefore tell you what my standard is. There are two standard cases, one 72x30x20 inches and the other 48x24x24 inches.



MEMORY CALDWELL, WOODSMAN.



These two cases contain the same cubic measurement, there being only a slight difference in the shape and weight of the empty box. The first of these weighs 20 pounds empty with the paper lining only and without the cover. It should contain 35 pounds of clean, selected Smilax, which is as much as can be put in a case of this kind without bruising. The cover weighs 5 pounds, bringing the gross weight of this case to 60 pounds. The other size weighs 17 pounds empty with the paper lining. It should also contain 35 pounds of Smilax and weigh with cover on 55 pounds gross. These cases are accepted at the express office and shipped at 50 pounds weight, the additional 10 and 5 pounds not being charged for. Now when you get cases of Smilax, and there are hundreds of them shipped from Evergreen, that only weigh gross from 45 to 48 pounds, although they are all marked 50 pounds, they are short from 7 to 12 pounds of Smilax or from ⅓ to ¼ of a case. In ten cases lots this cuts a figure in you estimate on a decoration. It will pay you to always weigh your cases. I rejoice in competition; it stirs my fighting blood and makes good business, but do let us have honest competition. **Caldwell The Woodsman Smilax** is all packed on the scales; there is no guess work about it; it's honest.

Price, $2.00 a case, f. o. b. Evergreen.

Hoping to have your orders, I am

Yours truly,

CALDWELL THE WOODSMAN, Evergreen, Ala.

P. S.—Chapter 5 on Efficiency will appear November 4th. 24 hours' grace expected on orders over 5 cases.

Samuel S. Pennock,

WHOLESALE FLORIST, 1612-14-16 LUDLOW ST., PHILADELPHIA.

American Beauties.

Philadelphia Beauties are renowned for their unexcelled quality. This rose is a specialty with us, as we handle fully half the cut that comes to this market. WE ARE, THEREFORE, ABLE TO GIVE YOU SATISFACTION IN QUALITY, QUANTITY AND PRICE.

The New Rose Liberty!

Having made arrangements with R. Scott & Son to handle their entire stock of Cut Flowers this season, we will be able, after November 15th, to offer our customers a choice selection of cut blooms of this superb Rose—LIBERTY. No live, up-to-date florist should be without this valuable acquisition.

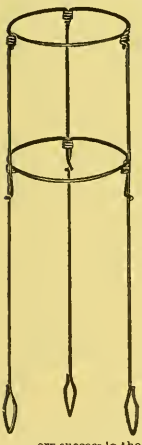
We have the most successful growers consigning to us and can assure you of the best selected stock. Your orders will receive prompt and careful attention and can be filled night or day, as we are open from 12:01 A. M. Mondays to 10:00 P. M. Saturdays. Our facilities, since making the recent improvements, are unsurpassed by any house in the United States.

We will be able to supply on short notice the best grades of CHRYSANTHEMUMS, including the latest novelties.

TEA ROSES, CARNATIONS, VALLEY, ORCHIDS, VIOLETS, SMILAX, PLUMOSUS, SPRENGERII, ETC., we have in abundance at all times. **WILD SMILAX, GALAX, FERNS and MOSS** always on hand.

With orders carefully packed in our new style extra light shipping boxes, which save expressage, we feel that you will favor us with a continuance of your patronage.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.,
Dear Sir:—Your Model Carnation Support is all right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y.
Feb. 18, '97.
MR. THERON PARKER,
Dear Sir.—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation supports. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J.,
Feb 18, '97.
MR. THERON PARKER,
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing ery success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes
AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

4 Acres Field-Grown Carnation Plants, 100,000

Our Carnations are very fine. They have been grown with the greatest care, free from disease and packed by our improved system of packing, by which we can send to all parts of the United States in perfect condition.

MAYOR PINCREE	BUTTERCUP	C. A. DANA	ARMAZINDY	CRIMSON SPORT
DAYBREAK	STORM KING	JUBILEE	METEOR	CAPTAIN KING
ALASKA	ELDORADO	PORTIA	ALBERTINI	SWEETBRIER
IVORY	WM. SCOTT	MRS. FISHER	McCOWAN	L. L. LAMBORN

$5 00 PER 100.

PANSY PLANTS Grown from extra choice seed of our own production and not surpassed in variety, size, beauty of coloring and freedom of flower by any others grown.
50 cts. per 100, $4 00 per 1000. J. L. DILLON, BLOOMSBURG, PA.

AMERICAN BEAUTY Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.
ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS. A. S. MacBEAN, Lakewood, N. J.

CARNATION PLANTS. STRONG FIELD GROWN.

McGOWAN.....$3.00 per 100, $25.00 per M.
EVELINA, MAYOR PINGREE,
McBURNEY, KOHINOOR,
NANCY HANKS, WM. SCOTT,
ARGYLE, PORTIA,
$2.50 per 100, $20.00 per M.

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS.,
51 Wabash Ave., CHICAGO.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.
W. P. PEACOCK, ATCO, N. J.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
LOCK BOX 11, GRAND RAPIDS, MICH.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.
Geo. Hancock & Son, Grand Haven, Mich.

Orange, N. J.

The next meeting of the New Jersey Floricultural Society will be held on November 15 at the usual meeting place, Lindsley Hall. There will be an exhibition which will be worth seeing, if not large, and those of the craft who can be present will be cordially welcomed. This organization is one of the most deserving of all the local societies and numbers in its ranks many commercial and private growers of the highest ability. While as yet unsuccessful in exciting the general public interest in the society's work and welfare that was hoped for by its promoters, it has managed to keep its membership list up and its treasury in good shape. This has been accomplished by furnishing attractive meetings and endeavoring to do as much as possible to keep the society prominent in the minds of the craft. The prevailing spirit here is social and hospitable in an unusual degree. Lindsley Hall is on the corner of Cone and Main streets, one block directly back of Orange station of D. L. & W. R. R., and a trolley car from Jersey City passes the door of the hall. Jos. B. Davis is secretary.

ELIZABETH, N. J.—The greenhouses and out buildings on Patrick Mahr's place on the McGee town road were destroyed by fire on October 16. Loss $2,000; no insurance.

CROMWELL, CONN.—Charles Johnson, one of A. N. Pierson's men, struck a pile of rock in the road while riding his bicycle on the evening of October 19 and sustained painful injuries. The rock was used for street work and was not marked by a red lantern.

GRANDVILLE, MICH.—Mrs. Clara E. Stover, wife of N. B. Stover, of the Stover Floral Co., has been elected president of the Rebekah State Assembly of Michigan and will preside over 300 Rebekah lodges with a membership of 15,000. Mrs. Stover has always been a tireless worker for Oddfellowship and has climbed to the top step by step.

SURPLUS OF FIELD-GROWN CARNATIONS,

all under shelter in a cool house, ready for shipping.

MACEO, GLACIER.....$10.00 per 100
DUHME, EVANSTON, DAYBREAK, PINGREE, MARY WOOD, VICTOR, ARGYLE, ARMAZINDY, $5.00 per 100.

F. DORNER & SONS CO., La Fayette, Ind.

CARNATIONS at $3.00 per 100 cash until all sold. All first-class plants—Flora Hill, Dana, Portia, Eldorado, McGowan, Scott, T. Cartledge.

D. R. HERRON, OLEAN, N. Y.
GEO. L. GRAHAM, Florist.
Greenhouses, 57-65 Seward Ave. 'Phone 69 W. Salesroom, 87 Main St. 'Phone 76 B.

BRADFORD, PA., Sept. 16th, 1899.

MR. D. R HERRON, Olean, N. Y.:
Dear Sir:—Your Carnation plants I bought from you last season gave me the best satisfaction and best results I ever had. I lack the following varieties, Daybreak Eldorado and Dana. Send me 100 of each to complete filling my house, as I have added one more house this fall. Yours truly, G. L. GRAHAM.

$3.00 PER 100. Could you ask for a lower price on good, strong 3-in. Maids and Brides. Guaranteed worth $5.00. They will make you money. Sample for 10c. **FORCING ROSES,**

W. H. CULLETT & SONS, Lincoln, Ill.

ALTERNANTHERAS, Red and Yellow. Rooted cuttings—per 100, 50c.; per 1000, $4.00. Also Coleus, Geraniums, Petunias, Etc.

E. I. RAWLINGS, Quakertown, Pa.

ERICAS THAT SPEAK FOR THEMSELVES.

All grown in pots, well-shaped, feathered to the ground and full of buds.

Melanthara, 6-in. pots, 18 inches high, per doz., $8.00
Persoluta alba and P. rosea, " 9.00
Cavendishii and Cupressiana, each, $1.25 to 3.00
Ventricosa magnifica, rare, 7-inch pots, each, 2 50

Now is the time to buy them. This is the finest stock in the country.

LOUIS DUPUY, Whitestone, N. Y.

Cyclamen!

We have a fine and healthy lot of Cyclamen Giganteum, well set with buds, growing in 3-in. pots, ready for repotting into 4-in. pots or larger; or three plants in 8-in. bulb pans will make a fine display and grow into suitable gifts for Christmas, or they could remain in the size pots they are in at present and would be most useful with which to make plateaus or "French" baskets of growing plants in bloom for Christmas or any other worthy occasion.

Plants in bloom for the gay and festive Christmas time are becoming more and more popular.

No better time than the present to be thinking about this matter and making necessary preparations.

$8.00 per 100, $70.00 per 1000.

EDWIN LONSDALE,

Money order office, Chestnut Hill, (Sta. H.) Philadelphia, Pa.

Wyndmoor, Chestnut Hill, PHILA.

PLEASE SEND ADVS. NOW FOR THE

AUTUMN NUMBER

OF THE

AMERICAN FLORIST

TO BE ISSUED **NOVEMBER 11.**

FINE Field-Grown Carnation Plants

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Bon Ton and Scott. **$4 00 per hundred.**

Cash with order please.

VAN WERT GREENHOUSES, Van Wert, O.

CARNATIONS

Fine field grown plants.

HECTOR, large scarlet. EVELINA, very free white. $6.00 per 100; $50.00 per 1000. 500 plants at 1000 rate.

H. WEBER & SONS, Oakland, Md.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.

GREENHOUSES AND ADDRESS
JOLIET, ILL.

Brockton, Mass., GRAND FLOWER SHOW.

Nov. 1, 2, 3, 1899,

CANTON HALL.

GOOD PREMIUM LIST.

For schedule address

BROCKTON GARDENERS' AND FLORISTS' CLUB,
BROCKTON, MASS.

Asparagus Plumosus Nanus

STRONG STOCK.

2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000

Also ARDISIA CRENULATA, fine, well-berried plants, 5-inch pots, at 75c and $1.00.

S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.
Mention American Florist.

ASPARAGUS Sprengerii.....2½-in., $5.00 per 100
Asparagus Plumosus, 2½-in. 5.00 "
NEPHROLEPIS Cordata Compacta,
2½-in., fine..... 5.00 "
Nephrolepis Bostoniensis, 2½-in... 5.00 "
GERANIUMS, S. A. Nutt, etc., 2¼-in... 2.50 "
SMALL FERNS, for dishes, " .. 4.00 "
CARNATIONS, field-grown..... 5.00 per 100
CASH PLEASE.

CARL HAGENBURGER, W. Mentor, O.

Orchids!

Just arrived in fine condition, a fresh lot of *Cattleya Mendeli* and *Laelia Jongheana*, also *C. labiata, C. Speciosissima, C. Gaskelliana* and *C. Harrisoniæ*.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

25,000 CANNAS. Send list of you wants.
5,000 CARNATIONS, Scott, Portia and McGowan at 3c, or $25 00 per 1000. No frost. Not culls.
VINCA MAJOR VAR. and SPIRÆA Anthony Waterer, field stock, 5c.
GENISTA, 2½-in. 3c. **MOONVINE**, strong rooted cuttings, $1.50 per 100.
HALLEANA HONEYSUCKLE, rooted cuttings, strong, $1.50 per 100. CASH PLEASE.

BENJ. CONNELL, Florist, WEST GROVE, PA.

Please mention the American Florist when writing.

...THE...

AUTUMN NUMBER

OF THE

American Florist

WILL BE ISSUED

November 11

and will be of surpassing excellence. It will be handsomely illustrated, tastefully printed, widely read and of superior value as an advertising medium.

Advertisements in body pages will be taken at our ordinary rates, namely, $1.00 per inch, $30.00 per page of thirty inches, with the usual discounts on time contracts.

Advertisements on second, third and fourth *Special Cover Pages* (printed on heavy toned paper), $30.00 per page, net.

Advertisements on first and second *Ordinary Cover Pages* sold only on yearly contract, in the usual spaces, at $1.00 per inch, net.

American Florist Co.

324 Dearborn St., CHICAGO, ILL., U. S. A.

In order that you may be given the best possible position and display

PLEASE MAIL YOUR ADVERTISEMENT NOW.

Central New York Notes.

Grove P. Rawson, of Elmira, has a new white seedling chrysanthemum from which he has been cutting fine flowers since the first of October.

Robert Bard, foreman for P. R. Quinlan & Co., Syracuse, is convalescing. He has been dangerously sick with typhoid pneumonia.

L. E. Marquisee, Syracuse, has added three new carnation houses with side ventilation, one 26x70, the other two each 21x46. He has housed 18,000 of his new carnation, the Marquis, and has already booked orders for March delivery for about 80,000 rooted cuttings of this variety.

W. J. Crowe, of Utica, successor to Peter Crowe, has opened a very attractive store. He reports a great demand for cut fronds of his new fern and has planted several new houses of it and grows no other adiantum.

Chas. F. Baker, Utica, who has been seriously ill, is improving.

There will be no chrysanthemum show in Syracuse this season.

Local growers are just beginning to cut chrysanthemums. Roses are becoming more plentiful, but carnations are still very scarce. L.

NORTH CRAMERS HILL, N. J.—Wm. S. Johnson has rebuilt three of his houses and put in new heating apparatus.

SPRINGFIELD, ILL.—August Claus has sold his establishment on North Fourth street to H. H. Hensley, formerly of St. Louis, and with his sister, Mrs. George Wilkinson, will go to California to spend the winter.

...OVERSTOCKED...

I have a large stock of Flowering **Begonias** that I will sell cheap to make room. They are fine and ready for 4-inch pots.

		Per 100
ERFORDI, in bloom.....	2¼-in.,	$1.50
RED VERNON, "	"	1.50
SANDERSONI.....	"	1.50
FUCHSIOIDES.....	"	1.50
HYBRID RENIE.....	"	1.50

CASH WITH FIRST ORDER, PLEASE.

W. H. MURPHEY, - Minooka, Ill.

20th CENTURY VERBENAS.

Thirty-two grand mammoth varieties, including the new Capt. Dreyfus, Helen Gould, Melba and many others. This is the set that will make the money for the retail florist in the year 1900. Strong, 2-in. pot plants ready Nov. 10th, $2.00 per hundred; rooted cuttings, 60c per 100, $5.00 per M.

NEW DBL. FRINGED PETUNIAS, Henderson's and Dreer's latest set, known the world over as the standard of perfection; strong rooted cuttings Nov. 10th, $1.00 per 100; 2-in. pot plants, $2 a 100.

20,000 SEEDLING SMILAX now ready for immediate delivery, 50c. per 100, $1 per M, free by mail.

PRINCESS PAULINE AGERATUM, the great novelty of '98, the only one to grow; rooted cuttings now ready, $1.00 per 100; strong 2-in. pot plants, 50c. per doz., $2 00 per 100.

1000 BRIDESMAID ROSES, 2½ and 3 in., $2.50 per 100 to close out. CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

THE BOSTON FERN A Specialty.

Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Chinese Sacred Narcissus.

20,000 Bulbs, at $32.50 per 1000.

FINE FREESIA BULBS, at $1 50 per 1000.

WINSOR FLOWER SEED CO.,

No. 2 Milwaukee Ave., DETROIT, MICH.

JAPANESE CURIOS...

CLEARY & CO.

ANNOUNCE A

Great Auction Sale

of these wonderful Japanese Horticultural creations on

WEDNESDAY and THURSDAY, Nov. 1st & 2nd.

The grandest collection ever brought together.

On Free Exhibition on Monday and Tuesday, Oct. 30 and 31.

All are invited to view this collection.

CATALOGUE ON APPLICATION.

CLEARY & CO.,

60 Vesey St., NEW YORK.

We beg to announce to the TRADE that we have our own collectors in the Tropics and are booking orders for **CATTLEYA TRIANÆ, MENDELI GIGAS and AUREA, and ODONTOGLOSSUM CRISPUM** (Pacho types) for delivery spring 1900

We also have the finest collection of Lælio-Cattleya Hybrids in America, catalogues of which will be sent on application. **ARNOLD & CO.,**

222 St. Marks Sq., Philadelphia. *Orchidists.*

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,

42 W. 28th St., - NEW YORK CITY.

ACALYPHA SANDERI...

2¼-inch plants.....$12.50 per 100
3-inch plants.....$18.00 per 100

RAMBLER ROSES. Yellow, White and Pink, strong 2 year plants, $10.00 per 100

The Conard & Jones Co., West Grove, Pa.

Finest Forcing Roses

	2¼-in. Per 100	3½-in. Per 100
BRIDE.....	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. **Cash with order.**

Asparagus Sprengerii, 2½-in. pots; **Asparagus plumosus nanus**, 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

WE HAVE

STANDARD BAYS

3 ft. diameter, handsome, well furnished specimens.

ALSO

ready to quote figures on **Guaranteed**, first-class

CHRISTMAS HOLLY.

N. F. McCarthy & Co.

JOBBERS IN ALL FLORISTS' GOODS,

84 Hawley Street,

BOSTON, MASS.

BEGONIAS

Assorted varieties from 2-in. pots. **$2.00 per 100.**

EXTRA STRONG.

GREVILLEA ROBUSTA, 2-in. pots, strong, per 100 **$2.50.**

CASH, PLEASE.

Edward B. Jackson,

STAMFORD, CONN.

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,

CHICAGO.

..AZALEAS..



WE are now filling orders for Azaleas, importations of which have arrived in excellent condition. Import prices will hold good as long as the stock is not potted; the varieties we supply are the most popular sorts suited to the American market and we can give you any proportion you wish in the four leaders.....

Mme. Vander Cruyssen, Vervæneana, Deutsche Perle and Bernhardt's Andrea Alba.

Personal inspection of the stock in Belgium, through our own representatives, enables us to offer the best stock obtainable at bottom prices.

Order now and save heavy express charges later on, as shipments can at this time be made safely by freight.

FINE BUSHY CROWNS, well set with buds—

10 to 12 inches in diameter.....	$4.50 per doz.;		$35.00 per 100		
12 to 14 "	"	6.00	"	45.00	"
14 to 16 "	"	7.50	"	55.00	"

SPECIMEN PLANTS, of the leading varieties—$1.00, $2.00, $2.50 and $3.00 each, according to size.

Henry A. Dreer, 714 Chestnut St., PHILADELPHIA.

NOVEMBER PRICES. Ready to Ship.

NEW GERANIUM, yellow foliage, pure scarlet bloom, double, 2½ in., $1.20 per doz., $10.00 per 100.

NEW GERANIUM, Double Snowdrop, the best double white bedder to date, 2¼-in., $1.20 per doz., $10.00 per 100.

New Yellow **BABY PRIMROSE;** we have the only stock of this in the United States; 2¼-in., $1.20 per doz., $10.00 per 100.

PRIMROSES, Chinese and Obconica, to close out.

From flats, $1 per 100, $8 per 1000.
" 2¼-in. pots, 1.50 " 12.00 "
" 3½ " 4.00 " 25.00 "

10 per cent off on 5000 lots.

ALSO Forget-Me-Not, Coleus, Geraniums, Petunias, Begonias, Feverfew, Velvet Plant, Smilax, Iresines, all from 2¼-in. pots, at **$2 00 per 100, $15.00 per 1000.** Pansy Plants, all sizes; write for prices. One year old Roses, outside, mixed, **$4 00 per 100** Hardy Grass Pinks, **$3.00 per 100.**

THE MORRIS FLORAL CO., Morris, Ill.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00

Price for 100 or more on application.

John H. Ley,

Good Hope, WASHINGTON, D. C.

Azaleas, Bay Trees, Palms, Araucarias,

Stock enormous, quality the finest.

SANDER, Bruges, Belgium.

AGENT: **A. DIMMOCK,**
60 Vesey Street, - - - NEW YORK.

ASPARAGUS SPRENGERII

3-inch.....$ 6.00 per 100.
3½-inch..... 10.00 per 100.

Also larger plants at 25c, 30c and 50c each.

VICK & HILL CO., Rochester, N. Y.

A TRUE BONANZA

AND PRICES ON THE RISE.

THREE GEMS OF PUREST WATER.

Florists who grow their own plants and flowers will find none more profitable than our wonderful

3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."



IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other.

FOR CHRISTMAS OR NEW YEAR

nothing could be more pleasing, useful or profitable. While they last,

LARGE CLUMPS, READY TO DIVIDE,

$5 per 100 or 25 for $1.50 by express. Smaller ones by mail prepaid, same price.

A few hundred EXTRA LARGE CLUMPS,

$10 per 100, $1.50 for 12.

Any of above should make dollar plants by Christmas.

THE GENUINE EDELWEISS

OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. *10 for $1, 25 for $2, mailed free.*

THE LACE FERN,

POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water.

Young plants, 50c per 12, mailed; $4 per 100.
Larger, $1 per 12 or $8 per 100, express.

ASPARAGUS SPRENGERI

2¼-in., fine, $4.00 per 100; 3½-in., $7.00 per 100.; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

☞"I made $75 more off 250 Baby Primroses than I did off 800 Violet plants; sold the flowers in New York I want more; also some of your new Forget-me-not. W. H. BURBANK, Florence, N. J.

FOR WINTER BLOOMING. The Orange Violet (Browallia Jamesoni); makes extra fine specimens; 3½ in., $1.25 per 12, express. Browallia Speciosa or Giant Violet, $1 per 12 Euphorbia Jacquiniflora, $1.25. Baby Primrose, 75c. New Primula Obconica hybrida, 75c. Golden Lily of (Cestrum Auranticum), 75c. New pink Astilbe Chinensis, offered first in Europe this year at $2 per one small plant; our price, field grown, very fragrant, $1.50 per 12 All except Orange Violet prepaid by mail or larger by express. Gloxinias, especially grown for Xmas blooming fine plants, $7 per 100; 25 for $2. Little Gem Callas, $5 per 100; 75c per 12. Spotted Callas, monster bulbs, $5 per 100; smaller at $3 per 100, 25 at 100 rates.

A. BLANC & CO., Philadelphia.

PLEASE SEND ADVT. NOW FOR THE

Autumn Number

Lynn, Mass.

Fred. D. Smith will grow vegetables almost exclusively this year having, with his father, purchased a sixty-acre farm in Lynnfield, Mass., which will be devoted to fruit, Mr. Smith being considered an expert at this branch of horticulture.

Owing to the continued ill health of J. W. Tapper, caused by contact with an electric wire by which a current of some 500 volts was taken directly through the eyes and brain, Tapper Bros. have leased their houses to S. M. Gould, formerly with Chas. Otis.

A number of the craft are in hopes that the florists' club will be revived this winter. TAP.

Des Moines, Ia.

Trade is good for this season of the year and prospects were never brighter for a good winter's business. The supply is not one quarter of the demand and as a result large quantities of stock are shipped in. The Highland Park Greenhouses have been leased by Mr. Harter, formerly at the Ames Experiment Station. He will grow carnations and a general bedding stock. J. T. D. Fulmer has disposed of his greenhouses and opened a store at 408 Seventh street, in West DesMoines, where he expects to attend strictly to business. W. L. Morris was married last week. J. F.

KENNEBUNKPORT, ME.—Mr. Emmons, of West Kennebunk has bought the florist business of C. H. Perkins.

15,000

Latania Borbonica.

Fine plants of exceptional value, viz.:

	Per 100	Per 1000
2 character leaves, 12-15 inch	$15.00	$125.00
2-3 " " 4-in. pots, 15-18 in.	20.00	150.00
4-5 " " 5-in. pots, 18-20 in.	25.00	
5-6 " " 5-6 in. pots, 18-20 in.	40.00	

CALADIUMS....

Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...

The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.

12-15 inch.....$12.00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40.00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS.
350 ACRES IN NURSERY STOCK.

Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries. AUCUSTA, CA.

Primroses.

	Per 1000	Per 100
CHINESE, ready for 3-in. pots	$17.00	$1.75
OBCONICA Grand. " "	17.00	1.75
" " Rosea, "		1.75
FORBESII, " "		2.00
PANSY PLANTS	2.75	.50

☞CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

WASHINGTON, Sept. 17, '99
MR. J. H. CUNNINGHAM, Dear Sir:—Primulas rec'd in good condition, long ago. Please excuse me for not informing you before now. Thanks for the extras
Yours truly, D. I. SAUNDERS.

BOSTON FERNS from bench, ready for 6-in. pots, $3 per doz.

J. W. DAVIS, Morrison, Ill.

Please mention the American Florist when writing



BOSTON FERNS

THE true stock. Full and compact plants, not over-drawn. We can ship reasonable distances by freight. Order now for your Fall Sales.

Strong plants from 2-inch pots
" " " 2½ "
" " " 3 "
" " " 4 "
" " " 5 "
" " " 6-in. pans. } Write for Prices.
Fine Specimen Plants 7 "
" " " 8 "
" " " 9 "
" " " 10 "
" " " 12 "

Our large stock of **PALMS, ARAUCARIAS, ETC.,** are also in the best possible condition. If you are in the market for Palms, write us for our Special Price List, now ready.

POINSETTIAS. Just the stock for Xmas flowering. Strong, stocky plants in 3-in. pots, per 100, $6.00; 4-in. pots, per 100, $10.

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.
Greenhouses: Western Springs, Ill.

We have a LARGE and FINE stock of

KENTIAS AND LATANIAS

in POPULAR SIZES. Also Small Ferns, Cocos, Etc. Send for list.

Large Stock of AZALEAS JUST ARRIVED in Best Varieties and in Fine Condition.

USE OUR IMPROVED CUT FLOWER BOX.

Sample mailed free with list of sizes and cuts.

ELLIS & POLLWORTH, : : Milwaukee, Wis.

CHINESE PRIMROSES.

Ready for 3's. The finest grown. Single and Double, $2.00 per 100; $17.00 per 1000; 250 at 1000 rate.
XXX STRONG AND FINE, out of 3½-inch pots, choicest varieties, $4.60 per 100.
PRIMULA OBCONICA ROSEA. The finest of all the Obconicas; $2.00 per 100.
GIANT PANSY PLANTS. No finer mammoths ever offered; in choice mixture, $3.00 per 1000. Strictly cash prices. ☞Extras added liberally to help pay expressage.
THE HOME OF PRIMROSES.

JOHN F. RUPP, SHIREMANSTOWN, PA.

TRY SOMETHING NEW IN YOUR WINTER BLOOMING **ERICAS,** plants, all pot grown, set with bud, handled as easily as an azalea with similar treatment.

ERICA MELANTHERA	SOLD OUT.	CASH PRICES FOR OCTOBER DELIVERY:		
" PERSOLUTA ALBA	4-in.,	per 100,	$18.00; per 1000,	$150.00
" " ROSEA	"	"	18.00; "	150.00
" REGERMINANS	"	"	18.00; "	150.00
" CUPRESSIANA	"	"	18.00; "	150.00
" WILMOREANA	6-in.,	$6.00 per dozen.		

Larger sizes and other varieties at reasonable prices.

H. D. DARLINGTON, FLUSHING, LONG ISLAND, N. Y.

Hydrangeas

FOR FORCING.

Otaksa, Red Branched, Thos. Hogg,

4-6 CROWNS, $10.00 PER 100, 90 00 PER 1000.
2-3 " 7.00 " 60 00 "

These are magnificent strong plants and unusually good value for the prices asked. We promise satisfaction to the most critical. Order now while they can be shipped without danger of freezing.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

	Per 100
ASPARAGUS Sprengerii, 2½-in. pots	$6.00
" Tenuissimus, 2½-in. pots	4.00
CAREX VARIEGATA, 2½-in. pots	5.00
GREVILLEA ROBUSTA, 2½-in. pots	5.00
VIOLETS, extra strong field-grown clumps of Princess of Wales	8 00
California	5.00

☞All of the above plants are in fine condition and are sure to give satisfaction.

NATHAN SMITH & SON,
ADRIAN, MICH.
Mention the American Florist.

Field-Grown ROSES, $1.00 per doz. $8.00 per 100. 80 varieties.

Plants 1½ to 3 ft. high. Address

WM. K. NELSON, Augusta, Ga

Please mention the American Florist.

Newark, Ohio.

A decade ago, when I first visited Newark, the flower business was either in its infancy or in a state of desuetude. The old, dilapidated shanties containing a miscellaneous collection of bedding plants, were all I could see. The proprietor of the place, long since retired, I well remember, told me a tale of woe, ascribing his failure "to make it go" to the lack of appreciation on the part of the townsfolk. Now mark the contrast: Six modern, well equipped houses, containing about 14,000 feet of glass, where roses, carnations, violets and chrysanthemums are grown to perfection, a progressive, energetic and persevering young man presiding over the establishment, who from all appearances can and does "make it go." It is but five years since Geo. L. Miller embarked in business, yet during this comparatively short time he has made a considerable success. It is Mr. Miller's intention to enlarge his place from time to time. During the spring he built two houses, one for carnations, 30x130, and the other for violets, 12x100. In addition to his greenhouses, Mr. Miller has an attractive flower store on East Park place.

Time and circumstances prevented my calling on A. J. Baldwin, the second up-to-date florist here, whom I understand to have very good business.

HOMO.

WACO, TEXAS.—The indications are that the annual exhibition of the Texas State Floral Society, November 15 to 17, will be unusually good this year. James Morton, of Clarksville, Tenn., will again act as judge.

HOLLY and HOLLY WREATHS

Competition is what makes business, so we defy it and are going to make the special low price same as other dealers are charging $5 to $7 a case Choice Delaware Holly, $3 case delivered in Chicago and vicinity; 10 cases, $2.60; this price for 3 weeks only so order now. Holly Wreaths, $3.50, Bouquet Green, $1, Roping, Galax Leaves, Running Cedar and Moss, Prepared Cycas Leaves, etc. CASH WITH ORDER.

A. K. SAVACOOL, Lewes, Del.

FRESH FROM THE Pennsylvania Mountains

HEMLOCK, in bbls. (3 to 4 ft.)....$1 00 per 100 lbs.
" selected, small pieces, (crated), $2.00 per 100 lbs.
PRINCESS PINE.....100 lbs. $6.00

Special price on larger quantity. Cash with order only. Address

V. SCHMELZ, Sylvan Lake, Fla.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept. 15th.

P. O. Box 78.
Anton Schultheis, College Point, New York City

ZIRNGIEBEL GIANT PANSIES

Seed at $1.00 per trade packet or $5.00 per oz.

Also plants of the above at $5.00 per 1000, securely packed to go any distance. Large transplanted plants for winter bloom at $2.00 per 100 (no dollar an oz. mixture in these plants).

DENYS ZIRNGIEBEL,
NEEDHAM, - - - MASS.

Special Quotations.

CYCLAMEN Persicum Splendens Giganteum, finest strain in the world in four true colors, extra well grown plants from 3-in. pots, $7.00 per 100, $65 per 1000. Mixed, our selection, $6 a 100; $55 a 1000.

CHINESE PRIMROSES (fringed foliage), best market varieties from flats, $1.75 per 100; from 2-in. pots, $2.00, from 3-in. pots, $5.00 per 100. Double white and red from 3-in. pots, $6.00 per 100. Single blue, same price. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

HOLLY=VAUGHAN'S XXX BRAND.

THE Holly situation changes nearly every year. For the last four years they've begun to bring it into the country towns like potatoes. Every man has taken to cutting his own—or some other man's Holly, and packs it well, badly or indifferently, or any old way. The result is very bad for the retail florist. When we first started the Holly business, in 1880, our buyer contracted for a man's grove and cut the best and sorted it himself, and established Vaughan's XXX Stock as a brand worth having. Some years it has been the best in the Market; all years it has been as good as any, its average is high, but we wondered why so many culls would show up when we inspected our car lots (to sell to peddlers at half rates) and last fall our Mr. Vaughan located this towo market Holly system and cut it off from our man. We are buying and packing our Holly in the woods ourselves, and it costs more money, but it is worth to the retailer a lot more than it costs. **A good case of Holly is easily worth Ten Dollars, while cull stock can't be given away.**

We can suggest delivery dates which will keep you in good supply on the best days for selling Holly. Our prices are not advanced. How much can you use?

VAUGHAN'S SEED STORE, 84-85 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

PLEASE SEND ADVT. NOW

FOR THE **Autumn Number**

OF THE

AMERICAN FLORIST

To be issued NOVEMBER 11.

HERR'S PANSIES

The best is what you want: common Pansies are dear at any price. The "best florists" in the country are my customers; they will tell you there are no other Pansies quite so good as mine. Try them and you will say the same when they come into bloom.

PLANTS NOW AND UNTIL MARCH.
Free by mail, 75c per 100; 250 for $1.50; 500 for $2.50. By express, $4.00 per 1000.

ALBERT M. HERR,
LANCASTER, PA.

PANSIES

Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4 00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000. Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.

PLANTS. **..PANSIES..** SEEDS.

....THE JENNINGS STRAIN....
Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100; by express, $4.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.

CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of the Finest Pansies.

CINERARIAS.

Benary, Cannell and Sutton's prize strains, dwarf and semi-dwarf, giant-flowering, finest colors and shades; 2¼-in., $2 per 100, $18 per 1000.

Pansies, Mammoth, 100 colors mixed; Myosotis, Alpest. nana Victoria (Forget-me-not), dark blue; Silene pendula compacta, pink and dark red; Daisies (Bellis), giant-flowering, 10 colors mixed; strong plants of each kind, 40c. per 100, $3.50 per 000. Cash with order.

Shellroad Greenhouse & Seed Co., Grange, Md.

ATTENTION!

Boston Ferns,
6-inch pots, - - $12.00 per dozen.

Primula Obconica Grandiflora,
$3.00 per 100.

Croton Aureum Maculatum
3-inch pots, $8.00 per 100.
2 " " 4.00 "

5,000 of that useful Hardy Herbaceous Plant.....
Rudbeckia "GOLDEN GLOW"
Write for prices.

EDWIN LONSDALE,
CHESTNUT HILL, PHILA, PA.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N.Y.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other var., 15c per 100; $1 per 1000; if by mail add 10c per 100.

PARSLEY, strong plants 35c per 100; $1.50 per 1000; $12.50 per 10,000 if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

Zanesville, Ohio.

John D. Imlay reports the best trade at this season he has had in years. Between funeral work, which kept him unusually busy during the past week, wedding decorations and his usual run of store trade, he has had all he could possibly attend to. Mr. Imlay, however, and I quote his own words, "can stand prosperity without a murmur." Encouraged by the increased demand for carnations he has recently added a carnation house 22x120. His plants, as usual, look well, and the collection consists of the best varieties extant. One house is devoted to whites, such as Mary Wood, Flora Hill, White Cloud and McGowan and a second house is given to the colored varieties. Roses and chrysanthemums do equally well, while his Ficus elastica, of which he grows a large quantity, both for his retail and wholesale trade, are decidedly meritorious. A general line of seeds and bulbs is carried by Mr. Imlay in addition to his flower and plant business.

HOMO.

Madison, N. J.

The monthly meeting of the Morris County Gardeners' and Florists' Society was held here October 11, with an attendance of about fifty members and a number of guests, who enjoyed the rare treat of an illustrated lecture by J. K. M. L. Farquhar, assisted by Robt. Farquhar, of Boston, on the "Gardens, Fields and Woods of Japan." The lecturer was in an enthusiastic frame of mind and literally carried us with him through the land of flowers. No description can do justice to the lecture. The illustrations were superb and lifelike. Entire familiarity was shown with Japan, her people, her customs and her flora. A roof-raising vote of thanks was given to the Messrs. Farquhar.

B. L. R.

WAYNESBORO, PA.—Henry Eichholz will give a chrysanthemum show at his greenhouses November 9 to 11.

STAATSBURG, N. Y.—The boiler in Mr. Fitzpatrick's violet house exploded one day last week. Mrs. Thos. Emerson sailed for a visit to Germany on the Columbia, of the Hamburg American Line, October 12.

GREEN-HOUSE CONSTRUCTION.

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars or Estimates.

LOCKLAND LUMBER CO.
LOCKLAND, OHIO.



Mention the American Florist.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate,	$4.88	120 7-in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	6.00	48 9 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents
52 DEY STREET, NEW YORK CITY.

STANDARD FLOWER POTS

FIRST QUALITY.		CREAM COLOR.	
1¾ in., per 1000	$2 40	3½ in., per 1000,	$ 4 95
2 in., "	2 75	4 in., "	6 20
2½ in., "	3 25	5 in., "	10 80
3 in., "	4 70	6 in., "	16 50

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.

SMITH & SMITH

Brokers IN

REAL ESTATE,
PIPE, BOILERS, GLASS,
FITTINGS, ETC.

Obtain our prices before placing your orders. We have some excellent bargains in greenhouse establishments.....

337 6th Ave. P.O. Box 869. Pittsburg, Pa.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

J. G. SWAHN'S SONS, P. O. Box 78, MINNEAPOLIS, MINN.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO. ILL.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.

"NICOMITE"

(PATENT)

Vapor Insecticide

No labor required. Harmless to bloom and foliage. A certain killer of

RED SPIDER, GREEN FLY
and all other Insect Pests.

SOLD BY SEEDSMEN.

The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

Standard Pots Made by KELLER BROS.

Good Railroad Facilities For shipping. Special Attention Given to Mail Orders, and Special Sizes Made to Order.

NORRISTOWN, PA.

Price Lists Furnished on Application.

Mention American Florist.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all nollshed copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.
STEVENS & CO., 107 Chambers St., N. Y. City.

SHEEP MANURE

Thoroughly pulverized and ready for immediate application. ☞ Special prices to Florists and Seedsmen in lots of 20 tons and up.

Testimonials from Agricultural Department University of California. Send for sample.

GEO. C. ROEDING, Prop.
FRESNO FERTILIZER WORKS. FRESNO, CAL.

M. RICE & CO.

ARE EXCLUSIVE IMPORTERS AND MANUFACTURERS OF

FLORISTS' SUPPLIES.

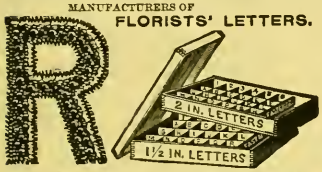
Moss Wreaths, Baskets, Wheat Sheaves, Doves,
Grasses, Immortelles, Pot Covers, Metal Designs,
Chenille, Plateaux, Cape Flowers, Lace and Paper Handkerchiefs.
Prepared Palm Leaves, Pedestals, Palm Plants, Etc., Etc.

CATALOGUE FOR THE ASKING

M. Rice & Co., 918 Filbert St., **Philadelphia, Pa.**

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.

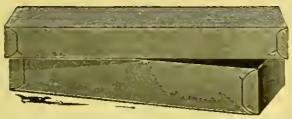


This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 ¼ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,

DAYTON, OHIO.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN

Manufacturer of **Florists' Supplies**

Send for a price list.

404-406-408-410-412 E. 34th St., NEW YORK

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for $2.50. Without spraying valve, $2.00.

The Hose Connection Co., Kingston, R. I.

Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of ½c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.



Send for Descriptive Circular and Price List.

Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JOS. W. ERRINGER,
Gen. West. Sales Agent,
297 Wabash Ave., CHICAGO.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC.TO N. STEFFENS. AND STEFFENS BROS.

MANUFACTURER OF **FLORISTS' WIRE DESIGNS & SUPPLIES**

335 EAST 21ST ST. NEW YORK CITY.

If you want a GOOD.... HOSE write J. G. & A. Esler for prices.

Addr ss J. G. & A. ESLER, Saddle River, N. J.

CAPE FLOWERS.

FRESH CROP. THEY ARE VERY GOOD; per pound, $1.00.

CYCAS LEAVES.

OURS RIVAL THE BEST IN THE MARKET. 16-20 in. $1.40; 21-24 in. $1.70; 25-28 in. $2.00; 29-30 in. $2.30; 33-36 in. $2.65; 37-40 in. $3.00; 41-44 in. $4.00; in packages of ten leaves.

Imported Metal Designs, just received latest, attractive styles, from 35c upwards. Write for catalogue.

AUGUST RÖLKER & SONS, 52 DEY STREET, NEW YORK.

LONG'S Floral..... Art Catalogue

A PROMOTER OF OUT-OF-TOWN TRADE.

Its 16 pages include Illustrations of 96 Arrangements with priced lists, in a manner that makes all clear to customers. Firm imprint added. Low priced in quantity.

SAMPLE COPY, 20 CENTS IN STAMPS.

DAN'L B. LONG, Publisher, Buffalo, N. Y.

CANE STAKES.

6 to 10 feet long,

$2.50 PER THOUSAND.

$2.00 per 1000 in 10,000 lots.

C. G. NANZ, Owensboro, Ky.

Always mention the American Florist when you order stock.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN——CIRCULAR FREE—

SKABCURA DIP CO. CHICAGO.

Kill and Save the Blooms Bugs!

QUICKLY DOES IT.

HAIL

For Insurance Against Damage by Hail Address

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SADDLE RIVER, N. J.

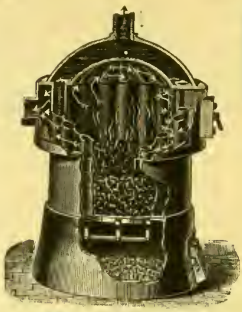
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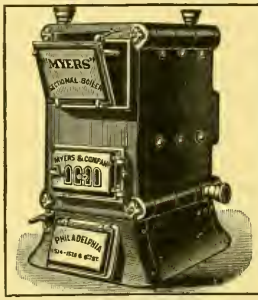
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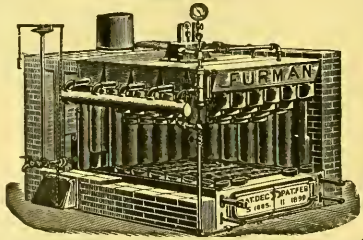
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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Lilies and Irises in Japan.

ED. AM. FLORIST:—I arrived here April 12 and you may want to know what I have been doing with myself. I dare say the other day you had printed directions how to grow Lilium rubellum and L. Krameri. I prepared this. Lilium rubellum is a new lily of great beauty. I saw it floweriug here and found it has been three years in the market and found also that the shippers had lost money, that the culture had been a failure generally and the shippers were going to drop it. I said, however, the thing is too beautiful; but the culture needed is exceptional, and I said try it again. I could see the buyers, mostly Americans, would soon get tired of the continual deaths. Now these plants can be grown anywhere if the necessary attention is given to them.

Some four or five years back it was found that the supply of Bermuda lilies did not meet the demand and a New York syndicate applied to Japan and collectors were sent to the southern island where they grew and collected immense quantities and as they are represented by six or more varieties, some with broken flowers, some dwarf, some tall, others early and some late, I found this gave the American florists a good deal of trouble. I therefore set about looking into the matter and I further found that the varieties could be distinguished from the bulbs and this autumn I have induced one concern to make a start in growing the best form, indeed the one that originally was grown in Bermuda, so that in a few years we may have a good clean stock of the sort which gives one stem and from eight to twelve flowers and is medium early. These bulbs are not shipped by the growers. The growing is done by the farmers and the shippers supply the small bulbs (called seed) and they are grown on for them. If an American dealer wants bulbs of this best variety, he can have them at an increased price; they will be specially picked out for him after lifting. I was told the firm above mentioned had this year drowned a large quantity of the bad varieties. The farmer does not understand this throwing away, so the shipper buys and then destroys. The best form has almost always one crown and the scales of the bulb are narrower and run up to a point. One with the broadest and darkest green leaves has the broadest scales. One that gives three or more crowns, weak stems and few flowers and so on. L. longiflorum giganteum, with the stem more or less dark, has a very distinct bulb. It is the intention of the shippers to destroy all but the L. longiflorum giganteum and the one with the long narrow leaves and many flowers, but this is a work of some years. If the buyers would put on the pressure the time will come about sooner, and the buyers will meantime have to pay a higher price for those selected varieties. I think about 4,000,000 of L. longiflorum bulbs must have left this shore for America and London.

L. auratum will become annually scarcer and dearer. At one time the hills about here were covered with it, now there are not many, too few to pay for the collecting, and each year they have to go further ahead. Again, too many small bulbs have been sent out of the country and the very large bulbs are each year, scarce as they are, sent off before they have attained the giant size. Lily bulbs are put on fresh soil annually and the same ground not used oftener than once in three or five years. When the lily is working at the roots liquid human manure is given once a month; as soon as the shoot appears above the ground no more is given. About Yokohama L. longiflorum is largely grown. It likes a damp soil and so is grown in the rice fields with the water drawn off. L. auratum does best on the hills in a dryer soil. In fact the lilies grown for the market have each their own favorite growing place. To get at the bottom of all this I would have to remain another summer. Among the shippers there is great competition and each has his own secret or thinks he has. One man who sends his bulbs to Colchester, near London, took me out a good deal and we appeared to be friends for life. I chanced to call upon him one day when he was among his lilies and in two-twos our friendship was rent asunder.

Iris Kæmpferi is grown in the rice fields and the plantations are flooded as soon as the plants make their early growth. About August the water is drawn off and during winter they are treated with liquid human manure twice a month. As soon as the shoots appear no more manure is given. The Japanese are mostly vegetarians so that cow dung will take the place of human manure. For the nursery grand plant beds should be prepared specially and in summer flooded frequently. In America I should recommend the same treatment as in Japan; in Britian not so much wet; in the west of Ireland the climate might be wet enough, while in other parts water might be needed. In Scotland, only on dry soils would the water be a necessity and in

such dry seasons as the past summer when the gardens were burnt up. I arrived at these conclusions going north. I went about 800 miles north to Sapporo, the capital of Yego. All the way up as soon as I got from the warm part of Japan I saw Iris Kæmpferi growing on the banks of the hill sides, but in greater quantities in moist meadows. You may have seen the species of I. Kæmpferi, a small flower. Now they have varieties of immense size, twelve inches in some. It is upwards of 100 years since it became



NEW ROSE W. C. EGAN.

an amateurs' flower. The best collections are now much frequented in the flowering season and are turned into tea gardens where you get tea or sake and if you have a poetic vein you can write poetry on the whole garden or on one favorite flower. Since the Damios were put down, gardening, one may say, came to a close. It was this class who were the gardeners and had their dwarfed trees that were in the family for hundreds of years. PETER BARR.

The Dawson Hybrid Roses.

For the past fifteen years Jackson Dawson has been experimenting in rose hybridization, giving special attention to the natural species as grown at the Arnold Arboretum, and it is only recently that, encouraged by the progress he has made with multiflora, rugosa and Wichuraiana, others have also taken up a similar line of work. The future now appears very promising for this type of roses, whose hardiness, vigor and variety and beauty of flower and foliage are sure to make for them an unprecedented popularity for garden and park decorative purposes. The two varieties illustrated are among the best of Mr. Dawson's productions up to date. W. C. Egan is a hybrid between Rosa Wichuraiana and General Jacqueminot. The flower is double, pink, closely resembling Souvenir de la Malmaison. Minnie Dawson is a single pink hybrid between Rosa multiflora and Mme. Gabriel Luizet. Mr. Dawson uses multiflora, Wichuraiana and rugosa for seed parents invariably, his experience being that crosses of the second generation forms are never so vigorous or hardy as those from the original parents. This is in line with Waterer's method in hybridizing rhododendrons. Mr. Dawson has now some five or six hundred young seedling roses as yet unflowered.

CHRYSANTHEMUMS.

CUT BLOOMS.

Once more, sweeping everything before it, the chrysanthemum has appeared, boldly usurping the place of honor at every festivity. Of many cultivated flowers it is the most self-asserting, but not without cause. Through a long process of feeding and dishudding individuality is encouraged until, by reason of their size, a lady often deems it sufficient to carry a single large chrysanthemum, when at other times a dozen or two roses would be used. In numerous instances the collective appearance of flowers contributes much to their attractiveness, but here the condition of the individuals measure their value. Upon this requirement, aided by one or two other common sense things, hinges the success of a chrysanthemum arrangement. Since they are large, very many cannot be used together, and simplicity more easily prevails. It is no clinging vine peeping through a crack, but an erect, self-contained unit, symmetrical in general appearance, but not in detail. It is in no sense fantastic, but full and massive. Beauty of texture and surface are not its striking peculiarities. It is better seen at a distance than under its shadow; neither does its odor invite closer acquaintance.

Next in importance to giving prominence to the individual flowers, is the character of the surroundings. The main requisite is plenty of space, both surrounding the group and between the flowers. Picture artists realize the importance of atmospheric effects, vistas and open spaces. These are equally valuable in our art. Large massive flowers like chrysanthemums must not be placed close to a mirror, wall or window, or be allowed to rest against a solid surface. Often a glimpse of the background throws color and form wonderfully in relief. Speaking of backgrounds reminds us that it is often necessary to make our own, and to be able to do this quickly and inexpensively is no mean advantage Of course dull, restful colors are most desirable. Many greens and greys afford these effects when worked with screens and panels of wood ferns, gray and green mosses, autumn foliage, etc. Having found a happy location, it is of next importance to observe that substantial, if not heavy, dishes in deep, rich colors with little or no decoration excepting that suggestive blending of color, are best for displaying chrysanthemums. Here, if anywhere, pottery is preferable to glass. The chrysanthemum does not pose as a hot house pet like the rose, and most glass is too fragile a receiving vessel. The quilled varieties are the nearest approach to delicacy, and these might properly be placed in glass. They are the daintiest for small table decorations and personal use. Owing to the coarseness and size of the commoner chrysanthemums a rustic setting is appropriate, as in the illustration. The varieties used here are mostly Viviand-Morel, Mrs. E. G. Hill and Marie Louise in unequal quantities, the pink predominating.

With chrysanthemums there are opportunities for fine results in coloring, with which we seldom meet among other flowers; for instance, the numerous tints and shades of yellow may be so blended as to form an easy gradation from a rich pumpkin orange to a pale straw, which when supplemented by a creamy white, completes an arc of wholesome light. The coppers and deep reds make another interesting combination. For soft color effects there is nothing lovelier than the pale heliotrope tints running up to the deeper pinks. Care should be taken not to combine these latter with any yellow except the palest and softest. Any scheme in heliotrope pink needs a warm background of green and plenty of light. The yellows, on the other hand, are particularly useful for lighting a dark corner or back of a hall opposite an opening or door. Much depends upon the first glimpse one gets of the interior of a house. Red and yellow are the warm colors that should prevail about the entrance. For extra foliage with chrysanthemums oak leaves seem to be the most suitable, both as regards color and form harmony, on account of their striking similarity in size and shape to the chrysanthemum foliage, and because of their rich yellows and reds. Acorns may be added with good effect; a background of conventional design for a frieze above a wainscoting or picture moulding or over a mantle is a good setting for a bunch of gorgeous chrysanthemums. Wheat sprays make a very pretty tie for a flat bunch, especially if they are of the loose, ragged type. G. B.

WORK OF THE COMMITTEES.

Boston, Mass., October 21; Hewey A. Molatsch, Brooklyn, N. Y., exhibited Walter Molatsch, a yellow Japanese, incurved, scoring commercial scale 93 points.

Philadelphia, Pa., October 28; John N. May, Summit, N. J., exhibited No. 38, a pink Japanese, incurved, scoring commercial scale 84, exhibition scale 83 points. No. 125, by same exhibitor, a pale pink Japanese, reflexed, scored 76 points on each scale. No. 145, also by same



NEW ROSE MINNIE DAWSON

exhibitor, a light pink Japanese, reflexed, scored commercial scale 89, exhibition scale 90 points. Name for No. 145 will be furnished in next report.

Wm. Paul Binder, Rider, Md., exhibited Mrs. Geo. C. Jenkins, a pale pink Japanese, incurved, which scored commercial scale 86, exhibition scale 87 points. Marguerite, by same exhibitor, a creamy white, Japanese variety, scored commercial scale 85, exhibition scale 82 points.

ELMER D. SMITH, Sec'y.

Coles Has Company.

The members of the Society of Indiana Florists accepted the invitation of W. W. Coles to visit Kokomo, Ind., Thursday, October 26, seven Indianapolis members and as many more from other cities availing themselves of the opportunity for a good day's outing, arriving at Kokomo about 10 a. m. Mr. Coles said the first thing on the programme would be a ride around the town. We were then invited to get into a lemon-colored "Dewey" express, drawn by a spanking team of Kokomo bays, owned by Mr. Coles, and after a few turns around the corners, it was hard to tell whether we were in an express wagon or aboard the Olympia.

After visiting the principal points of interest we were driven to Mr. Coles' place. There we were first shown the remainder of the Kokomo bays, then the Scotch collie dogs, light Brahma and Langshan chickens, all of which Mr. Coles said had pedigrees galore. After explaining the full workings of his modern barn and chicken house, we were taken to the greenhouses, where we found Beauties, Kaiserins, carnations, palms, etc., in abundance. Everything was in "apple-pie" order. All plants looked vigorous and well kept and in all there was a very encouraging outlook for bountiful returns. Much time was spent in going through the different houses and many compliments were paid Mr. Coles; it was generally conceded that had he had any longer stemmed Beauties or Kaiserins than he showed he would have said so.

On reaching the office we were brought face to face with a problem, but while we did not know the particular brand that was placed before us, everyone was willing to risk Coles' judgment and no questions were asked. Kokomo soft drinks were also provided for those who might have stomach trouble, a nice lunch was served and several minutes were spent in enjoying ourselves. We were then invited to the lower end of his broad acres to see Mr. Coles' heard of Jerseys, among which was a gentleman cow that was three feet by eight feet, and nothing but the bluest of blood runs through his veins.

On our return voyage we were shown a very luxuriant growth of Canadian thistles which Mr. Coles said he exhibited for variety only. Then we come to the turnip patch; after a brief and convincing talk by Mr. Coles as to why his turnips were better than others, we were invited to partake sumptuously of the watery vegetables. This all hands did, and the scheme worked so well that Mr. Coles could not withhold his hilarity and it was soon whispered around that it was a shrewd move to fill the crowd with turnips and avoid the complete annihilation of his Brahmas. At this everyone said the turnips tasted bitter any way and at once went into training to offset the desired effect. How well this was done can be best told by Mrs. Coles, who had prepared a most elaborate dinner, and for more than an hour there was a joyous florists' feast, after which cigars were passed and many kind wishes extended to the hostess.



AN ARRANGEMENT OF CHRYSANTHEMUMS.

As some had to take early trains for home the "Dewey" was again brought out. After a safe landing at the depot of those who took early trains the remainder retired to a bowling alley where two hours were spent in breaking records. Mr. Coles made the highest score, but the visiting florists wanted him to do this as they did not think it would look well, being his guests, to beat him in his own town. We will not mention the low man. Now came the time to separate; a vote of thanks was given Mr. Coles and everyone returned home feeling that if more florists had attended, they could have again entered on their labors with a lighter heart.

Among those present were: Henry Rieman, John Hartje, John Heidenrich, Ernst Hukriede, E. A Nelson, R. A. McKeand, J. T. Huntington, Indianapolis; Stewart & Haugh, Anderson; Harry Lemon, of E. G. Hill & Co., Richmond; Ed. Bissell, Marion; Mr. Tinker, Peru; and Meyer Heller, of South Park Floral Co., New Castle.

J. T. HUNTINGTON.

IOLA KANS.—W. H. Hornaday, of Ponca City, Oklahoma, will shortly erect a range of houses and enter business here.

FRANKFORT, KY.—E. Power has a newly completed house for California violets. He has a fine stock of chrysanthemums.

New York.

MARKET TAKES A BRIGHTER TURN.—SCHULTHEIS AND HIS DOINGS.—DUPUY HAS MANY GOOD THINGS.—YOUNG ON BEAUTY GROWING.—TAYLOR TRIES NEW CARNATIONS.—WILL BUILD FOR LIBERTY.—LAWLER GROWS GARDENIAS.—DARLINGTON'S BIG PLANT STOCK.—OTHER NOTES.

Heavy receipts in all lines have been the rule since the last report and there is little change as yet in the conditions of this market, although the outlook is encouraging. Chrysanthemums are everywhere and are generally regarded by the growers and wholesalers as very much in the way. The retailers' sentiments vary with the case but as they are getting the big flowers at practically their own price they have little ground for complaint.

A. Schultheis' place is a busy spot at present The quantity and variety of stock grown here is amazing. There are chrysanthemums for cut flowers and as pot plants, heaths big and little, handsome palms, cyclamens, hybrid roses, poinsettias, lilies, azaleas and bulbs unlimited. Mr. Schultheis forces a quarter million lily of the valley every year. A new bulb storage shed into which a wagon may be driven and loaded has just been completed. One large house is filled with azaleas for Christmas and more are to come in yet, the late shipments being often the best for forcing because better ripened. Mr. Schultheis is enthusiastic over a bench of seedling carnations, many of which promise well.

He will try the old favorite Mme. Plantier rose for Easter once more, the coming season.

Louis Dupuy is again enlarging his establishment at Whitestone by the addition of two houses, one 25x125 and the other 25x75. They will be filled with heaths. Chrysanthemums make a big showing now, and under the benches are the lilies that are to take their place as soon as they are disposed of. Mr. Dupuy is building his new houses without side benches because of the difficulty of getting men to water the back row of plants properly. In pot chrysanthemums Gem D'Or makes a splendid yellow, with flowers of good size and plenty of them. Acacia paradoxa, two-year-old plants, home grown, is seen here in quantity.

George Young, the Beauty expert, expresses the conviction that sooner or later black spot attacks about ninety-nine per cent of all Beauty foliage. Black spot is favored by close planting and with three rows of plants in the bench is less troublesome than with four but Mr. Young says that after trying the three-row plan be returned to the four rows as the most remunerative. One even span house gives such good results that for Beauty growing he regards this style as the best of all, especially if the house runs north and south.

John H. Taylor has turned his attention to carnations once more. One house with a new roof is devoted to a trial of all the likely introductions and is full of interesting things. Brower shows up as one of the best whites. Melba grows elegantly and is one of the few sorts that have not suffered from stem rot this season. Two new houses are about to be built for Liberty rose. Mr. Taylor's Beauty houses are in prime condition, not a trace of spot, and mildew has not come near the teas. Mr. Taylor admits poor results with summer Beauty growing owing to the ravages of thrips.

In passing through Flushing stop off at Lawler's and see his house of gardenias. They are planted out in the beds and grow like weeds, the flowers being in demand at the highest price in New York city at all times. A fine lot of home-grown ardisias are seen here, as well as an infinite variety of subjects that indicate the character and ability of their owner, a plantsman and propagator of the old school.

H. D. Darlington's erica farm has been visited by many this fall who have been astonished to find a place of such magnitude in existence here. Not only are the standard varieties of heaths and the usual run of winter flowering plants raised in quantity but a number of new epacrises and other hard wooded beauties are being tried with a view to their introduction later on.

The Model Carnation Support seems to have been adopted generally by carnation growers in this neighborhood as the best device for the purpose, judging from the large number of these supports seen in use.

Tarrytown, N. Y.

At the last meeting of the Tarrytown Horticultural Society the treasurer read a very satisfactory financial report, showing that he could more than meet all the expenses likely to be incurred at the forthcoming exhibition, November 10 and 11. Wm. Turner, gardener for Wm. Rockefeller, was appointed superintendent of the exhibition. John Boshard, Irvington, Robert Henderson, Steven Bradley and Joe Money, Hastings, were elected to membership. Three others were proposed. Mr. Martin, gardener for Mrs. C. C. Worthington, Irvington, showed a very fine collection of cosmos. Resolutions were adopted expressing the sense of loss in the death of Charles Weise, whose demise was the first in the ranks of the organization. J. T. S.

Boston.

MARKET PROMISES TO SETTLE DOWN.—OVERSTOCKS MAY BE REDUCED BY CHANGE OF WEATHER.—CHRYSANTHEMUMS IN PROFUSION.—TWOMBLY'S CARNATIONS.—BUTTERCUP STILL A FAVORITE.—CYPRIPEDIUMS ARE SHOWN.—BOSTON AND HER FERN.—A WEDDING AND OTHER NOTES.

A sharp change in the weather, now imminent, seems to presage a change in the condition of the flower business, which has been in an unprecedented state of demoralization for the past three weeks. Much of the stock now piled up in the storehouses of the wholesaler has seen more or less of the conflict and shows unmistakable signs of decrepitude, but should a stoppage in production take place, as now seems likely, it will all be unloaded for a better price than has prevailed for some time, as there is but little left on the plants to open immediately. Chrysanthemums are with us so heavily, however, that the effect of any interruption of the general supply will be greatly modified. Quality is below the average all along the line.

John Twombly has one of the finest houses of carnations in this section, at Winchester. It is even-span, thirty feet wide, and the carnations are planted out on low beds. Jubilee and Joost occupy the entire house. In other houses are Flora Hill, Maud Adams and Buttercup. The latter is still believed by Mr. Twombly to be the best yellow and one of the most profitable carnations grown. His success with it may, perhaps, be attributable to the fact that he grows it in a higher temperature than the other varieties. There are two houses of chrysanthemums that will be filled later on with hybrid roses and one new house just being filled with Princess de Galles violets which have been blooming freely in the field.

On Saturday, October 28, J. Mutch exhibited at Horticultural Hall his first seedling cypripedium, a cross between C. Harrisianum and C. Charlesworthi, also Cypripedium × Brysa, a hybrid between Sedenii candidulum and Boissierianum. H. A. White showed a handsome Cattleya labiata and J. W. Howard vases of Bride, Bridesmaid and Morgan roses of finest grade.

It is worthy of note that while Boston is supplying the country with the stock of Boston fern, Boston retailers have to buy their fine specimen plants of this fern from growers in other cities, who undoubtedly bought the same plants in a young state here. This looks like peculiar economy and is a question better worthy of consideration by Boston growers than the subject of the sale of distant-grown flowers through Boston wholesale houses which has so disturbed local growers for the past few years. If we have not the proper houses in which to grow plants such as our retail trade demands here is a good opening for somebody.

J. M. Cohen and Miss Jennie Hyams were married on Sunday evening at 602 East Seventh street, South Boston. They are now away on a brief honeymoon and on their return the sun will shine with double brightness and business hum with double energy at the Boston Florists' Exchange.

Viburnum cassinoides and Spiræa Thunbergii are both blooming, more or less, in the park plantations, a reminder of spring that seems out of place among the bare stems and brown leaves of autumn.

Philadelphia.

GREAT GLUT SEEMS NEAR ITS END.—CHANGE IN WEATHER WILL HELP EVERYTHING.—FRESH STOCK GENERALLY GOOD.—DEATH OF WILLIAM CRAWFORD.—PERSONAL JOTTINGS AND OBSERVATIONS.

Flowers of all kinds have been arriving in quantities probably three times as great each day as the market will take. Prices have taken a great tumble, in fact there can scarcely be said to be a standard price for anything, as there is so much to be disposed of that almost any offer, like the first bid to the auctioneer, is thankfully received. The fine weather is partly responsible for this state of affairs, bringing the flowers on in spite of all the growers can do to prevent it. Now that the weather has changed stock will no doubt become scarcer and not such a burden to carry. There did not seem to be as many chrysanthemums planted this season as usual, but, as in former years, there appears now to be more cut stock than the market can handle. Business is very quiet, the transient trade being poor. A change will soon come over things, however, as the debutants will now have their coming-out receptions. The first of this season's introductions took place last Saturday to which quite a number of bouquets were sent. It is hoped that the custom will be largely observed this season, as it has come to be quite an important part of the fall business.

The quality of the stock offered is good if fresh. Many flowers are seen that "have just come in" and when the color is objected to it is explained that "it must be the weather." Well, if the weather would only get colder, bookkeeping up above would be easier while there would be plenty of it here below. Prices are about the same as last week with the exception of the chrysanthemums, which have taken a still further drop; the very best now go for $2 per dozen and some of them are beauties. All Saints' day used up considerable of the whites but without any stiffening of prices. Roses are quoted at $3 to $4; Beauties at $3 per dozen with a few extras held at $4. Carnations are very nice but $1 is high for most of them and quantities go for much less. Violets are held at 50 cents to 75 cents for the best but go slowly. Palms are moving a little more briskly in the stores as the people are mostly at home and are fixing up for the coming social season.

William Crawford, greenhouse foreman for David G. Yates & Co., is dead. He was the original Bermuda lily grower in this country. The first bulbs were placed in his care by a tourist who had admired them in Bermuda and brought a few with him to be grown here. They grew almost unnoticed for a year or two, until their early blooming qualities called Mr. Crawford's attention to them; then he began to work up a stock and Mr. Harris, who was also watching the bulbs, bought the lot at something like $3 per bulb. It was not known until several years later that they came from Bermuda. In a conversation recently Mr. Crawford said that the true Harrisii was no more, it

having run out by being crossed with the Japan longiflorum by the Bermuda growers.

August Lutz says he finds things much better this season than last as there is not so much haggling over prices. People in buying, if they like a plant, do not dispute the price and seem much better satisfied.

Lemuel Ball, who prides himself that he has the cleanest lot of palms in existence, says that at least forty to fifty per cent of the cost of raising palms goes towards keeping them clean. He says the lay people have no idea of the time and trouble there is expended in keeping down scale and other insects.

Robert Crawford has built himself another greenhouse adjoining the one in the rear of his store. This, with his Delaware county violet farm, almost puts him in the category as a grower.

Wm. W. Crawford, son of Robt. Crawford, was married to Miss M. E. Park, of this city, last Thursday. Mr. and Mrs. J. M. Connelley, of Charleston, S. C., have been spending a few days in this city. Mrs. Williams, of Pittsburg, was also a visitor.

The chrysanthemum exhibition of the Pennsylvania Horticultural Society, which opens next week, promises to be quite up to the standard of provious shows. Secretary Rust says the entries are coming in very nicely and that the chrysanthemum plants will be finer than for several years. K.

Chicago.

STATE OF THE MARKET.—BAD WEATHER HITS LOCAL DEMAND AND INJURES STOCKS. —GOOD BLOOMS STILL GO.—STORY OF THE WEEK.—RUMOR OF A DEAL IN FERNS. —MICHIGAN MAN REPORTED TO HAVE EFFECTED A COMBINATION.— OPINION DIVIDED AS TO RESULT.—BRIGHT PROSPECT FOR THE SHOW.—PLANS AND PROVISIONS.—UIHLEIN'S NEW SUMMER HOME. —VARIOUS JOTTINGS IN THE TRADE.

This has been one of those peculiar weeks which have kept the wholesalers on the anxious seat. The dismal weather with a couple of bright days like the shaving of ham in the bun has disturbed the sources of supply so that the conditions which are to follow are purely problematical and prices are "subject to change without notice." During the rain which closed last week it was impossible to move the ordinary grades of stock without a sacrifice and even the prime blooms would have hung had it not been for the excellent shipping demand, for local call was almost paralyzed and the fakir could not ply his trade. Then a couple of days of sun brightened the situation, but on Wednesday chrysanthemum show weather set in again. The result is a market not exactly overstocked, for out of town orders use up the good grades, but one on which the indifferent grower stands but little chance. Roses are very soft as a rule and there is quite a little mildew. Carnations are in ample quantities and violets, most of which are excellent, are so plentiful that buyers get concessions in count if not in price. Chrysanthemums are still going off easily. Pretty nearly everything in this line is now obtainable but there has been no glut and no sacrifice, although the big prices for choice blooms of previous years have failed to materialize. The medium grades have so far done about as well as formerly.

It is in the air that the Massachusetts fern dealers have reached an agreement whereby E. H. Hitchcock, of Glenwood, Mich., is to represent them in this market. In fact, one of the Hinsdale men has written several wholesalers here to that effect and it is stated that Mr. Hitchcock agrees to get the dealers considerably more money than they have been receiving for their stock. As yet Mr. Hitchcock has no more than intimated that he would this winter be able to supply this market with ferns, but the new deal was reported to go into effect November 1 and several wholesale men stocked up in anticipation of a rise. Bassett & Washburn have a large quantity in cold storage. They came by express and are sufficient to supply their trade during the season. One house bought 1,000,000 and had them shipped by express the last day of October, as some local dealers have had sad experiences getting Massachusetts ferns by freight, Randall last year losing more than one-half of a big shipment. As other dealers have lesser quantities on hand and some have contracts for their year's supply at a stated price, opinion is divided as to whether the reported deal will stand. At present the wholesale price is $1.50 per thousand, which is less than Mr. Hitchcock will care to lay them down here for if the report is true that he is to pay $1 25 a thousand for his stock after December 1.

There is every indication that this year's show of the Horticultural Society of Chicago will eclipse all previous efforts in this line in this country. With the grandest exhibition room in America, assurance of plenty of exhibits and an unusual interest on the part of society, there can be little doubt of an attendance which will warrant the additional expenditures determined upon this year. The great hall itself will, of course, be devoted to the exhibits and the foyer and corridors will afford popular promenades, for which some splendid music has been provided. The balcony will serve for spectators. The table decorations will, as usual, be a leading attraction for the ladies, while those in the trade will find the International Competition the event of greatest interest. The flower booth is this year to be in charge of the Service Club. Other booths, in the boxes of the theatre, are to be conducted by the McCowan School for Deaf Children. Visiting Nurses' Association, Margaret Etter Creche, Lying-in Hospital and Woman's Exchange. Well known florists have been named as a committee of reception for out-of-town craftsmen, who will be banqueted by the Chicago Florists' Club on Thursday evening, November 9.

At the meeting of the Florists' Club last evening the newly elected officers were installed with due eclat. The banquet committee, consisting of J. B. Deamud, chairman, A. L. Vaughan, C. W. McKellar, Edgar Sanders and Jas. Hartsborne, reported that arrangements had been made at the Sherman House for a sumptuous repast at $2 a plate, on Thursday evening, November 9. Mr. Winterson is chairman of the committee on decorations and Mr. McKellar of that in charge of tickets, which consists of the arrangement committee reinforced by Messrs. F. F. Benthey and John Degnan. Members are requested to wear badges and visiting florists will be warmly welcomed. Club tickets to the flower show may be had of Mr. Degnan by paying dues to November 1.

E. G. Uihlein, well known to every florist in Chicago, has purchased Villa Palatina, Lake Geneva, Wis., as a summer residence and has placed the important landscape work, which will at once be undertaken, in charge of James Jensen, superintendent of Humboldt Park.

C. J. Strombach, the well known superintendent of Lincoln Park, is now confined to his room at the house of his daughter, Mrs. Harris. He caught cold during the festival and still has a cough from which his many friends hope he may soon recover.

The Invalid Appliance Co., makers of the Columbia plant tubs, have removed from Clybourn avenue to much larger and lighter quarters at 150 to 160 Vedder street, where they will have facilities proportionate to their rapidly increasing business.

Robt. G. Stewart, Mrs. Stewart and their daughter, of Palm Beach, Fla., are the guests of C. S. Stewart, who, by the way, had the assistance of a number of friends in the celebration, Tuesday evening, of the twenty-ninth anniversary of his birth.

George F. Crabb, of Crabb & Hunter, Grand Rapids, Mich., was in town early this week. He will be down again next week with an exhibit for the flower show and probably accompanied by a number of the craft.

President Chas. M. Loring, of Minneapolis, and F. L. Olmstead, Brookline, Mass., were in Chicago this week in conference with the local committee in regard to the annual meeting of the American Park and Outdoor Art Association which is to meet here in June, 1900.

Louis M. Noe and Mrs. Noe, of Madison, N. J., have been the guests of Mr. and Mrs. D. W. Brant at Forest Glen for the past three weeks. Brant & Noe are doing a fine business this fall.

One of the greatest disasters which ever overtook a member of the trade was the wrecking of the S. F. Leonard seed warehouse on Wednesday evening, an account of which is given on page 388 of this issue.

W. H. Bruns is cutting some very fine lily of the valley. He is now putting in 1,000 pips a day of the stock which he selected himself while in Hamburg this summer.

Budlong is filling some nice orders with Webers' chrysanthemums. One of the week's shipments was 400 of the first grade to New Orleans.

E. C. Amling is receiving some Major Bonnaffon chrysanthemums of exhibition grade from Gunnar Teilmann, Marion, Ind.

Eli Cross, of Grand Rapids, is sending some very fine violets to J. B. Deamud. Some of them are white.

The Kennicott Bros. Co., reports its October business as twenty-five per cent greater than October, 1898.

O. W. Frese, the State street retailer, formerly with W. E. Lynch, is ill and in the hospital.

M. F. Kyle has gone to Kalamazoo, Mich., to enter the employ of the Dunkley Floral Co.

Visitors: I. L. Pillsbury, Galesburg, Ill.; John R. Fotheringham, representing F. R. Pierson Co., Tarrytown, N. Y; F. Dorner, Jr., La Fayette, Ind; S. A. Baur, Erie, Pa.; F. W. Heckenkamp, Quincy, Ill.

POTTSTOWN, PA.—E. Wichersham & Co. have opened a branch store at Boyertown, in the pharmacy of Chas. A. Smith.

OMRO, WIS.—The fifth annual chrysanthemum show and fair of the Omro Horticultural Society will be held November 22 to 24.

COLUMBUS, O.—There has been a very successful chrysanthemum display in the cut flower department of the Livingston Seed Co. All the stock shown was very good.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

PLEASE send advertisements now for the Autumn Number.

EXHIBITORS will note that there have been several recent additions to the list of coming exhibitions.

PETER BARR assures us that Lilium tigrinum and L. Batemanii are the favorite edible lilies of Japan.

MANY florists are gaining valuable publicity by contributing floricultural advice to their local newspaper.

I. C. COBURN, of Everett, Mass., has an excellent strain of pansies, of which we received some fine sample blooms this week.

WE have received an assortment of seedling carnations from Walker Bros., of Flint, Mich. The flowers are of various good shades of pink and some of the varieties are promising in other respects.

MISS GENEVIEVE LORD, for whom H. Weber & Son have named one of the most meritorius of their new seedlings, has offered a gold medal for the best twenty-five blooms of a light pink seedling carnation not yet introduced, to be awarded at the approaching exhibition of the Baltimore Gardeners' Club.

A New Chicago Poster.

The new chrysanthemum show poster of the Horticultural Society of Chicago, has been distributed and proves to be even more striking than that of last year. The bust of a Japanese girl is shown with chrysanthemum blooms and foliage. Some half dozen tints are employed with good effect. K. A. Beuhr is the name of the artist.

A British Method.

A rule which recently came into force in the National Chrysanthemum Society of England provides that "no certificate shall be issued to any new variety unless it receives the support of three-fourths of the Floral Committee present and if only ten members are present the voting must be unanimous." On September 28 W. J. Godfrey submitted plants of a yellow sport of Lady Fitzwygram and, as only eight out of a possible eighteen committeemen were present, missed his certificate. H. Weeks, with whom some excellent varieties have originated, was an exhibitor before the committee on October 10 when fifteen members were present. In this case he missed his certificate by "the third of a man," as a member remarked, the vote being eleven for and four against. The rule has some defenders and many critics.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Donald Carmichael, Wellesley, Mass., registers carnation Eleanor Ames, Wm. Scott × Daybreak; Tidal Wave color, Scott habit but stronger and taller growth. Carnation May Whitney, Daybreak × Edith Foster; color white, Tidal Wave habit.

WM. J. STEWART, Sec'y.

The American Carnation Society.

The society is getting ready to issue its premium list for the show to be held in conjunction with the meeting February 15 and 16, at Buffalo, N. Y.

Any member of the florist trade desiring to offer special premiums for this show can have the opportunity to do so if they write the secretary at once for information.

All members of the society will receive this list and any one not a member can obtain it by writing to the secretary. A good, round sum is offered in money premiums and there are already a nice lot of special prizes and no doubt more to come, so that it will be an interesting booklet for carnation growers.

The Lawson medal will be an object of great interest at this meeting and the indications are that it will supersede all of the preceding ones.

ALBERT M. HERR, Sec'y.

Lancaster, Pa.

Greenhouse Building.

Menominee, Mich.—L. Zechetto, one house.

Indianapolis, Ind.—Indiana Plant Co., propagating house 10x50.

Springfield, O.—Geo. H. Mellen Co., range of houses. Schmidt & Botley, four houses.

Sedalia, Mo.—Jos. Gelven & Son, two houses.

Rutherford, N. J.—Bobbink & Atkins, two houses 17x150.

New Castle, Ind.—South Park Floral Co., range of five rose houses.

Chestnut Hill, Pa.—J. S. Jenks, one house.

Millbury, Mass.—W. E. Horne & Sons, one greenhouse.

Hempstead, N. Y.—A. Nelius, one greenhouse.

Newburyport, Mass.—E. W. Pearson, house 25x100, one 20x125 and one 8x125.

Gardner, Mass.—A. L. Hawkes, one house.

Confusion in Orchid Nomenclature.

The growing misapplication of names by those raising hybrid cypripediums was aptly illustrated at the exhibition of the Massachusetts Horticultural Society October 28, when there was presented for recognition and record a hybrid cypripedium under the name of Cypripedium × Longwoodense (C. Charlesworthi × C. Harrisianum). Had the same care been taken in giving to it a name, as apparently had been done in bringing this finely grown seedling to the flowering stage, much confusion resulting from synonymous names would be avoided, as instanced by the notices of the Royal Horticultural Society and the Manchester Orchid Society, in the September number of the *Orchid Review*, which gives A. J. Keeling the credit of exhibiting at both shows a hybrid of above parentage under two different names; viz., C. Bincleyense and C. rubens. It would seem that so great an authority as the *Orchid Review* has ceased to be the infallible authority which was claimed for it at its birth, and that, notwithstanding the appeals of "Argus" in its columns for more care in recording synonyms, it has, perhaps unwittingly, fallen into the very error it has so emphatically cried out against. May we not hope that in the near future the orchid enthusiasts may have their national society and their nomenclature committee to whom they may refer such questions for adjudication, their decision to be final?

A National Orchid Society founded on a strictly botanical basis and with a determination to simplify rather than confuse existing conditions, open to all American gardeners whether professional or amateur, would, the writer believes, do much to further the interest in this class of plants and act as a greater incentive to all to use their utmost skill to obtain some new variety which should have the highest recognition possible. CYP.

Home Grown Bulbs.

ED. AM. FLORIST:—In the last number of your valuable paper I notice a paragraph stating that a bed in Lincoln Park, Chicago, has been planted with hyacinth bulbs grown by George Gibbs, on Orcas Island, Washington, and that a consignment of tulips is on the way from the same place. Will you kindly correct this statement in so far as it relates to the grower of the hyacinths?

Although Mr. Gibbs must be considered the pioneer bulb grower of western Washington and deserves great credit for his meritorious achievements under rather discouraging circumstances, the work of growing Holland bulbs is now carried on quite successfully by another gentleman, near the home of Mr. Gibbs, upon lands selected by the three Holland bulb growers who visited Puget Sound in May, 1898. These bulb fields are located at Fort Bellingham on the shores of Bellingham Bay, Whatcom county, Washington, and were established by C. X. Larabee, of Fairhaven, a gentleman well known throughout the northwest for his public spirit and his exertions to promote the industrial and agricultural welfare of the county he resides in. In the development of the new and promising bulb industry he fortunately obtained the enthusiastic support of C. T. Canfield, who for many years has been a devout worshipper at the shrine of Goddess Flora, and is now rated as one of the most intelligent horticulturists on Bellingham Bay.

It was on the bulb fields at Fort Bellingham that those fine hyacinths now planted out in Lincoln Park were grown and to Mr. Canfield, not to Mr. Gibbs, must be given the credit of having produced such remarkable results as these bulbs show in their extraordinary size and soundness. Quite correct however is your statement that a consignment of tulip bulbs from Mr. Gibbs' fields is now on the way to this city and upon their arrival they will also be planted out in Lincoln Park near the Washington-grown hyacinths, the object being to show to our florists and the public the blooming qualities of these American grown bulbs. A few of each variety will be used by Mr. Stromback for forcing. ANDREAS SIMON.

ANSONIA, CONN.—W. H. Briggs has embarked in business as a grower of violets and lily of the valley. He has two houses.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

CHICAGO, Nov. 7-11.—Chrysanthemum show, Hort. Society of Chicago. Willis N. Rudd, Ass't Sec'y, Room 1002, 185 Dearborn St.

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

BOSTON, MASS., Nov. 7-10.—Chrysanthemum show, Massachusetts Hort. Society. Robert Manning, Sec'y, Horticultural Hall.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society. Alex. Macleilan, Sec'y.

WORCESTER, MASS., Nov. 8-9.—Chrysanthemum show, Worcester County Hort. Society. A. A. Hixon, Sec'y, 18 Front St.

POUGHKEEPSIE, N. Y., Nov. 8-10.—Annual exhibition, Dutchess County Hort. Society. W. G. Gomersall, Sec'y, Fishkill.

TARRYTOWN, N. Y., Nov. 10-11.—Chrysanthemum show, Tarrytown Hort. Society. Wm. McCord, Sec'y.

PROVIDENCE, R. I., Nov. 9-10.—Chrysanthemum show, Rhode Island Hort. Society. C. W. Smith, Sec'y, 61 Westminster St., Providence.

BUFFALO, N. Y., February 15-16, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

WACO, TEXAS, Nov. 15-17. Fourth Chrysanthemum show, Texas State Floral Society. Miss Bella Beer, Sec'y, Waco, Texas.

ST. LOUIS, MO., Nov. 14-18.—Chrysanthemum show, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

PHILADELPHIA, PA., Nov. 7-11.—Annual exhibition, Pennsylvania Hort. Society. David Rust, Sec'y, Horticultural Hall, Broad street.

BALTIMORE, MD., Nov. 13-18.—Chrysanthemum show, Gardeners' Club. Geo. Talbot, Sec'y, Clifton Park.

HARTFORD, CONN., Nov. 13-16.—Chrysanthemum show, Connecticut Hort. Society. C. H. Boykett, Sec'y, Hartford.

MADISON, N. J., Nov. 7-8.—Fall show Morris County Gardeners' and Florists' Society, Chas. H. Atkins, Sec'y, Madison.

ELMIRA, N. Y., Nov. 14-15. Chrysanthemum show, Elmira Hort. Society. R. R. Stockdale, Sec'y.

ORANGE, N. J., Nov. 15.—Show of New Jersey Floricultural Society, J. B. Davis, Sec'y, Orange.

MONTREAL, CAN., Nov. 8-9.—Invitation exhibition, Montreal Gardeners' and Florists' Club. Fred. Bennett, Sec'y, 136 Peel street.

TORONTO, CAN., Nov. 15-18.—Chrysanthemum show, Toronto Gardeners' and Florists' Association. D Robertson, Sec'y, Reservoir Park.

Catalogues and Cut Flower Price Lists Received.

The Conard & Jones Co., West Grove, Pa., bulbs and plants; Park Nursery Co., Pasadena, Calif., trees, plants and vines; F. L. Atkins, Rutherford, N. J., plant tonic; Eastern Farm Supply Association, Montclair, N. J., fertilizers; Lakeview Rose Gardens, Jamestown, N. Y., carnations; Uberto Hillebrand, Pallanza, Italy, seeds; Cincinnati Cut Flower Co., Cincinnati, Ohio, cut flowers; E. H. Hunt, Chicago, Ill., cut flowers; E. C. Amling, Chicago, Ill., cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies.

Buffalo.

BAD WEATHER HURTS BUSINESS AT BISONVILLE.—GOOD STOCK AND PLENTY OF IT.—PLANTS FOR SOUTH PARKS.—NOTES.

Trade is just what might be expected with the prevailing weather conditions. Stock is of good quality and there is enough of everything and too many roses. Stroh, of Attica, is sending in some fine violets. The stores all make a good showing of chrysanthemums and Beauties. The funeral of Rev. Francis Lobdell called for many fine designs this week.

J. J. Albright has donated his collection of plants to South Park. The acquisition is principally palms and it is one of the very best collections in this vicinity, containing some remarkable specimens, including an Encephalartos Lehmanii said to be the finest in the country. Prof. Cowell has also bought, at Rochester, the well known Hiram Sibley collection, which will be installed in the new houses.

The 74th Regiment bazaar has a fine showing of plants and flowers, to which the florists contribute for advertising.

The politicians call him "Pinky" Kasting and think he will be elected to the council.

Visitors: S. B. Smilcy, Lancaster; W. C. Stroh, Attica; Martin Reukauff, of Bayersdorfer & Co.; Walter Mott, representing Dreer. W. A.

LAPEER, MICH.—W. H. Watson has recently completed an additional house 16x100.

RUTHERFORD, N. J.—Bobbink & Atkins have begun the erection of a cold storage warehouse covering 10,000 square feet of ground.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant ads. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—Rose grower; 10 years' experience in largest commercial places. Best references. Address C H M care Am. Florist.

SITUATION WANTED—By young florist on commercial place; 6 years' experience. Good references. JOHN CHRISTENSEN, 338 6th Ave., New York.

SITUATION WANTED—Private place, by Englishman; twelve years' experience, single, age 27; good character. WARREN, 173 Bogart Ave., Mt. Washington, Pittsburg, Pa.

SITUATION WANTED—By florist and gardener; married, no children. Well recommended. Private place preferred Address XX, care Vaughan's Seed Store, Chicago.

SITUATION WANTED—By young man as assistant in greenhouses. Experience equivalent to about four years. To begin about Jan. 1st. Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—As foreman; capable of taking charge, 12 years' experience. Best references; on private place; married, no children Address R B, care American Florist.

SITUATION WANTED—By gardener; 24 years' experience in growing roses, carnations and plants. Strictly sober, industrious and reliable Best references. P. O. Box 258, Corona, L. I.

SITUATION WANTED—By a single man on a private place; 7 years' experience; understands care of greenhouses, vegetables, lawns, etc. Good references. JAMES MARSH, Box J, King's Park, L. I.

SITUATION WANTED—By a first-class all-around grower of roses, carnations, violets and general stock; also palms, ferns, etc; 23 years experience. Best of reference. R, care American Florist.

SITUATION WANTED—By married man small family, age 40, life experience in growing flowers, fruits and vegetables; fully competent to take charge of either commercial or private place Good references. Address X Y, care American Florist.

SITUATION WANTED—By a most proficient gardener, life experienced, middle aged, married, the management of a first-class establishment, commercial or otherwise, where everything is required in A1 shape. Ask for references. F, care Am. Florist.

WANTED—A man of common experience, as grower. Address G. VOLK, cor. Milwaukee and Oneida Sts., Milwaukee, Wis.

WANTED—A buyer for old established pottery. Good chance for right man. Address GOOD CHANCE, American Florist.

WANTED—Competent man to assist in commercial greenhouses. Address HENRY SMITH, cor. Monroe and Division Sts., Grand Rapids, Mich.

WANTED—A general greenhouse hand, also a night fireman for hot water boilers. Wages each, $20 per month with board. W. L. SMITH, Aurora, Ill.

WANTED—A copy of Issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—One or two young men; a few years' experience in greenhouse work; no night firing. State wages expected and give references. E HAENTZE, Fond du Lac, Wis.

WANTED—A florist for general greenhouse work; must be sober, steady and reliable. Wages $25 per month with board and room. Send references and state experience. I. L. PILLSBURY, Galesburg, Ill.

WANTED—Two men, one as night fireman, the other for general greenhouse work Steady work and good place for the right men. State wages expected. Address D I R, care American Florist, Chicago.

WANTED—First-class florist, single; must be a good grower of roses, carnations and 'mums, to take charge of nine houses. State lowest wages accepted, with room and board in hotel; references. Address N. AMOS, Crestline, O.

WANTED—Two good palm and fern packers; also palm and fern grower. Steady work for right man, with opportunity to learn full line of commercial work—retail, wholesale, mail Address with full particulars. VAUGHAN'S SEED STORE, Box 638, Chicago.

WANTED—Rose and carnation grower, one who thoroughly understands and can take charge of six houses State age and wages wanted with board, also telegraph address. If reply is satisfactory, will telegraph. Address JOHN L. WYLAND, De Haven, Pa.

WANTED—A good, industrious young man to work in a first-class cut flower store in Pittsburg, Pa. Must be experienced, able to make up fine design work and to wait upon fine trade. Steady position. State age, salary expected and references. Address F P, care American Florist.

WANTED—A reliable man to take charge of greenhouses to grow a general stock of cut flowers and plants for retail trade; must be sober, reliable, honest and capable of keeping himself and others at work; steady place to right man. FRED J. KING, Ottawa, Ill.

WANTED—An experienced man or lady to take entire charge of our store in town. Must have executive ability to handle any order with dispatch, be agreeable and honest. A permanent place to the right party. State wages expected and where last employed. Address JOS W. VESTAL & SON, Little Rock, Ark.

TO RENT—Or for sale at a great sacrifice: Stock flowers and six greenhouses, with latest improvements, steam heat, etc.; large ground fronting main street in prosperous town close to Chicago; street car passing the door; best opportunity to secure excellent investment and well-paying business. Good reason for selling. S. SCHALLMANN & CO., Room 1204, 138 Washington St., Chicago.

GARDENER WANTED

To take charge of our greenhouses. Excellent opening for the right man.

W. N. RUDD, Mount Greenwood, Ill.

A RARE CHANCE. The proprietor of a well-established place of 15,000 square feet of glass in a town of 60,000, about 60 miles from Philadelphia, desires to retire and will sell his stock, ALL IN FINE SHAPE, and lease the place for a number of years to party who is reliable and who has small capital. This is a profitable retail business, of which further particulars may be had **ROBERT CRAIG & SON,** by addressing..... Market and 49th Sts., PHILADELPHIA.

Wanted At Once.

A thoroughly reliable man, single, of good habits and an up-to-date Carnation grower and rapid propagator.

None but a hustler need answer this, stating experience, wages expected, etc. Address

Peter Fisher, ELLIS, MASS.

For Sale At A Bargain.

Boiler and piping together with greenhouse, 150x18 feet with work room in front. All well glazed, nearly new, been in use one year, with privilege of leasing spacious grounds. For information call or address

ANDREW GREULICH,
575 S. Broadway St.. DAYTON, OHIO.

WANTED—Manager

To make arrangements for, and take full charge of, the Trade Exhibit at the New York Convention of the Society of American Florists' to be held at the Grand Central Palace in August, 1900. One thoroughly competent, who understands the business. Apply by letter only, with full particulars. For further information address

JOHN YOUNG, Sec'y New York Florists' Club, 51 West 28th St., New York City.

Sedalia, Mo.

Chas. H. Koeppen has completely renovated and refitted his whole system of greenhouses and his stock of plants is in excellent condition. He reports a good trade in wedding and funeral work

Charles Pfeifler has added two new houses to his place this season.

Jos. Gelven & Son, of St. Charles, are constructing two greenhouses here. They will grow cut flowers for the wholesale trade.

The Archias' Seed Store, formerly located at 107 Ohio street, has been moved to new quarters at 108 E. Main street, where they have more room and are preparing for a large spring trade.

H.

Wholesale Cut Flowers

705 PENN AVE. 'PHONE 2157.

Am. Beauties — Chrysanthemums

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT 1753 A.D. COL. BOUQUET. PITTSBURGH, PA.

CONSIGNMENTS SOLICITED.

Florists' Supplies

G. L. HUSCROFT & CO.,

Wholesale Florists,

444 Sixth Ave., PITTSBURG, PA.

Long Distance Phone 2985. CONSIGNMENTS SOLICITED. We command a good market.

Wholesale Flower Markets

CINCINNATI, Nov. 2.

Roses, Beauty	8.00@25.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 5.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1.50
" fancy	2.00
Lily of the Valley	4.00
Violets	.50@ 1.00
Narcissus	3.00@ 4.00
Chrysanthemums	8.00@15.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Nov. 2.

Roses, Beauty	8.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 4.00
" Perle	3.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	4.00@ 5.00
Violets	40@ 50
Chrysanthemums	5.00@12.50
" fancy	15.00@25.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Nov. 2.

Roses, Beauty, long per doz.	2.50@ 3.00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	3.00@ 4.00
" Perle	3.00@ 4.00
" Meteor	4.00@ 6.00
" Kaiserin	5.00@ 8.00
Carnations	1.00@ 1.50
Chrysanthemums, ordinary	6.00@10.00
" fancy	15.00@25.00
Adiantum	1.00
Common ferns	.25
Smilax	8.00
Asparagus	60.00

PITTSBURG, Nov. 2.

Roses, Beauty	5.00@30.00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Kaiserin	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations	.50@ 1.50
Lily of the valley	3.00@ 4.00
Violets, double	.40@ 1.00
" California	.30@ .60
Chrysanthemums	4.00@18.00
Smilax	10.00@15.00
Wild smilax per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus bunches	.25
" strings	.35 to 50c
" Sprengerii, bunches	.35 to 75c

VALLEY.

Beginning October 15th, the forcing of Lily of the Valley was commenced at the Rosebank Nurseries, and shipping will begin three weeks later. From that time on Valley will constitute one of the special products of Rosebank and will be constantly on hand, both summer and winter.

It is the intention of the management to make the Rosebank Nurseries headquarters for this product, and to that end a special offer of three dollars per hundred has been made to the trade on a contract for a year's supply. This offer is now withdrawn, and a new price of $3.50 per hundred is made to hold throughout the year to regular customers.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES: TERMS: Strictly cash or C. O. D. from unknown parties.

Per dozen.....$3
Per 100.....$14
Per 1000.....$120
Per 5000.....$500
Per 10,000.....$800

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

WE CAN FILL ANY ORDER OF

Roses, Carnations, Violets and Chrysanthemums

and all other seasonable stock which you may entrust to our care. We call especial attention to our VIOLETS, which are the finest that we have ever handled.

HOLTON & HUNKEL Co.

MILWAUKEE, WIS.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial.

...The American Florist.

CHRYSANTHEMUMS!

Buyers in this territory have always regarded us as **Headquarters** for Chrysanthemums, for all grades, but particularly the finest. We are in the same position this year. We can supply your every want.

ORCHIDS are one of our specialties; Cattleyas, very fine; also Dendrobiums and Cypripediums.

We have Fancy Carnations at all times and also the best of Rose stocks, Valley and Violets.

J. B. DEAMUD, 51 Wabash Ave.,
Successor to Illinois Cut Flower Co. CHICAGO.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS.

FULL LINE OF ALL Florists' Supplies

Fall Bulbs Of All Kinds.

Write for quotations on your wants now.

Cincinnati.. Cut Flower Co.,

W. A. MANN. FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. PRICE, $2.00.

Wholesale Flower Markets

CHICAGO Nov 3

Roses,	Beauty,	extra long stems		3.00@3.50
"	"	24 inch	"	2 50
"	"	20 "	"	2 00
"	"	15 "	"	1 50
"	"	12 "	"	1 00
"	"	8 "	"	.75
"	Bride			3 00@ 4 00
"	Bridesmaid			3 00@ 4 00
"	Perle			3.00@ 4 00
"	Meteor			3 00@ 4 00
"	Kaiserin			4 00@ 5 00
"	La France			3 00@ 5 00
Carnations				1.00@ 1.50
"	fancy			2.00@ 3 00
Violets, double				.35@ 1 00
"	single			.35@ .75
Lily of the Valley				3 00@ 4.00
Cattleyas		per doz.		3 00@5 00
Dendrobiums				3.00
Chrysanthemums, medium				2 00@ 6 00
"	long			10 00@20.00
Mignonette				1 00@ 2 00
Narcissus				1 00 @ 5 00
Adiantum				.50@ 1.00
Common ferns				.15
Fancy Ferns				.20
Smilax				10 00@15.00
Asparagus				50.00

WE ARE NOW CUTTING NEW

Brides, Maids and Beauties....

GEO. A. KUHL, Pekin, Ill.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

Tell your wants in the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

COMMENCING OCTOBER 16th, WILL BE OPEN FROM 12:01 A. M. MONDAYS TO 10:00 P. M. SATURDAYS.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

GALAX LEAVES

AND LEUCOTHOE SPRAYS.

To Dealers Outside of N. Y. State:

Choice Galax.....$0.40 per M

Choice Leucothoe..... 2.00 "

Special prices to wholesale dealers. J. N. PRITCHARD, Elk Park, N. C.

It is good business policy to mention the

....American Florist

when you write to an advertiser

Wholesale Flower Markets

PHILADELPHIA, Nov. 1.

Roses, Tea	2.00@ 3.00
" " extra	4.00@ 8.00
" Beauty, extra	15.00@50.00
" " firsts	10.00@15.00
" " seconds	6.00@10.00
Carnations	.75@ 1.50
" fancy	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	35.00@50.00
Smilax	15.00@20.00
Adiantum	1.00

BOSTON, Nov. 1.

Roses, Beauty, select	10.00@35.00
" " ordinary	3.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" Kaiserin	2.00@ 4.00
Carnations, ordinary	.75@ 1.00
" fancy	1.50@ 2.00
Lily of the valley	2.00@ 4.00
Violets, single and double	.25@ .75
Chrysanthemums	2.00@ 6.00
" special	8.00@12.00
Cosmos	.50
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successor to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

EDWIN A. PARKER,

Wholesale Florist,

2408 Rosewood St., - PHILADELPHIA.

Consignments of Roses, Carnations and Violets solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

BOSTON FLORISTS' EXCHANGE....

HEADQUARTERS for choice Roses, Violets, Carnations and Chrysanthemums.

Consignments Solicited.....

22 Chapman Place, BOSTON, MASS.

J. M. COHEN, Prop. TELEPHONE 2385

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. rice list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on app'lication.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

Always mention the.....
American Florist
when writing advertisers.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, NOV. 7.

Roses, Beauty select	10.00@25.00
" " ordinary	2.00@ 5.00
" Bridesmaid, Bride, Morgan	.50@ 4.00
" Kaiserin, Meteor	1.00@ 4.00
Carnations	.50@ 1.00
" fancy	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Violets	.25@ .75
Chrysanthemums	.50@ 6.00
" fancy	12.00@25.00
Cattleyas	20.00@30.00
Smilax	5.00@ 8.00
Asparagus	25.00@35.00
" Sprengeri, per doz. bunches	1@1.50
Adiantum	.50@ .75

BUFFALO, NOV. 2.

Roses, Beauty	3.00@35.00
" Bride, Bridesmaid, Meteor	1.00@ 6.00
" Perle, Niphetos	1.00@ 4.00
" Kaiserin	1.00@ 6.00
Carnations, ordinary	.50@ 1.25
" fancies	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1.00
Chrysanthemums	3.00@15.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	40.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

GALAX LEAVES.
Brilliant Bronze and Green.
$1.25 per 1000. Price in quantity on application.
HARRY A. BUNYARD,
42 West 28th Street, : NEW YORK CITY.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply CHRYSANTHEMUMS in best quality and any quantity. VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

GREEN GALAX, NEW CROP NOW READY
FINEST BRONZE FROM COLD STORAGE
FOR PRICES ADDRESS THE INTRODUCER,
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

Remember us to our advertisers.

NOW
'MUM'S
THE WORD.
ALL SIZES, COLORS, PRICES.
PACKED CAREFULLY.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT McCULLOUGH Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED CHICAGO: W. J. Prosser, of Vaughan's Seed Store, New York.

PORTLAND, ME.—Eugene Schaettel, of Vilmorin, Andrieux & Co., Paris, called here enroute to Montreal.

DUNKIRK, N. Y.—The Lake Shore Seed Co. received a large consignment of European flower and garden seeds last week. The duty on the shipment amounted to $309.77.

Destruction of S. F. Leonard's Wholesale Building, Chicago.

Just before the close of business hours on November 1, a slight rumbling and trembling warned the employes of S. F. Leonard to run for their lives and a moment later the big, six-story brick building at 139 and 141 West Lake street, Chicago, seemingly rent in halves, came crashing down upon its trailer neighbors, crushing out the lives of at least three employes of the New England Milling Company, two doors to the west. Leonard's people all escaped.

The cause of the accident will probably never be positively known. Two theories are now discussed, one that it was the result of an explosion of flour dust in the nearby mill; the other that the building was unable to stand the strain of the heavy weight of seeds, onion sets and machinery carried in it. Observers on the street say that the first manifestation was a cloud of dust blown into the street in front of the mill; then the larger building tottered and fell, smashing like egg shells the six frame structures to the east and west. Flames sprang up in various parts of the ruin to complete the destruction.

S. F. Leonard had undoubtedly the largest stock of onion sets in the country stored upon the three upper floors, perhaps 40,000 bushels. There were also in the building five cars of peas just received, a small quantity of beans and other new seeds and the stocks carried over from the past season, just how much can never be known, as all records were destroyed. There seems little probability of salvage, as rain fell upon the ruins for more than forty-eight hours, and during that time the firemen threw water upon those portions of the wreck in which fire smoldered.

The insurance is $76,500, one policy for $500 having been issued upon the afternoon of the accident and not received until the following day. Mr. Leonard had this to say of the affair: "I am satisfied that this catastrophe was the result of an explosion in the building of the New England Milling Co. Our warehouse was built in 1897 by C. T. Boal and we have only occupied it since May 1. I have to-day received the assurances of the city building department and of the Board of Fire Underwriters, who inspected it only last week, that the structure was perfectly safe and not overloaded. We are not yet able to state our loss, but it will exceed the insurance. However, we shall not 'lay down'; we filled some orders to-day and will be in new quarters in a day or two. We expect to be able to fill all our orders for future delivery. We have stock at the freight house, more on the way and much yet to be shipped. There will probably be some delay, but we have received many telegrams of sympathy and trust that we may have the indulgence of the trade."

Concession to Seed Shippers.

Railroads have made one concession to the shippers of clover seed that will be appreciated by local merchants. Seed can now be unloaded into the freight houses, the shipper to pay a cent a bag and at the expiration of five days he must pay storage. The clover seed men say they have no objection to paying storage, and they only object to the charge for unloading. This arrangement will give seeds, men an opportunity for inspection and a reasonable time to remove seed from the freight houses.—*Toledo Commercial.*

Notes of the Twin Cities.

Northrup, King & Co., have put in a Brown Bag Filling Machine. L. L. May & Co, are also installing another one of these machines making three now in use in their establishment. Mr. Brown has been here to look after the machines.

L. L. May has recently purchased a farm of 240 acres located about 14 miles from the city. This will be devoted to growing seed and nursery stock. It is also his intention to erect a range of modern greenhouses for growing cut flowers for his large and increasing trade.

J. M. Kimberlin and grandson were recent callers on the trade, also W. H. Small, of Evansville, Ind. FELIX.

ROCKFORD, ILL.—The case of S. A. Baur was decided in his favor October 31.

COLUMBUS JUNCTION, IA.—A greenhouse owned by J. F. Jacoby was recently destroyed by fire.

RICHMOND, IND.—The numerous friends of E. G. Hill will learn of his illness with regret and hope for his speedy recovery.

SURPLUS STOCK.

WHITE ROMAN HYACINTHS, 11-12 ctm., per 100, $1.25; per 1000, $11.00.

ITALIAN, shaded white, 12-16 ctm., per 100, $1.75; per 1000, $16.00.

PAPER WHITE NARCISSUS GRANDIFLORA, A1, per 100, $1; per 1000, $7. Cash with order.

HULSEBOSCH BROS., Erg'wood. N. J.

Chinese Sacred Narcissus.

2 00 Bulbs. at $32.50 per 1000.

FINE FREESIA BULBS, at $4.50 per 1000.

6-8 LILIUM LONGIFLORUM, Japan, sound, at $39.00 per 1000.

WINDSOR FLOWER SEED CO.,
No. 2 Milwaukee Ave., DETROIT, MICH.

ESTABLISHED 1802

THORBURN'S SEEDS

JUST RECEIVED

CYCAS REVOLUTA STEMS

Assorted Sizes

per 100 lbs. $8, 200 lbs. and over at 7c. lb.

CHINESE SACRED LILIES.

Splendid large bulbs, $4.00 per basket of 100.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Bald Head and Cauliflower Wiboltt's Snowball.

Awarded highest prize at St. Petersburg in May, 1899.

LILY OF THE VALLEY PIPS.

CALLA AETHIOPICA!

Fine, well-cured bulbs; from our own farm in California.

	circumference.	per 100	per 1000
EXTRA SELECTED.	5 to 6 in.	$6.50	$55.00
FIRST-CLASS.	4 to 5 in.	4.50	35.00

300 of one size at 1000 rates.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

CINERARIA	CYCLAMEN	PRIMULA	PANSY
Large-flowered English, 1-32 oz., $3.50. Trade pkt., 50c.	Large-fl. Splendens, Pure white, 100 s., 75c. Rose, Red, etc., 100 s., 65c.	Rolker's ¼ oz., $3.50; 1-16 oz., $1.25. Trade pkt., 25c.	Rolker's Giant, $5.00 oz.; ¼ oz. 90c. Trade pkt., 25c.

AUGUST RÖLKER & SONS, 52 Dey St., New York.

LIL. LONGIFLORUM,

6x8.....per 100, $4.50; case 450, $18.00 | 9x10.....per 100, $12.00; case 200, $22.00
7x9 (this size is very scarce).....per 100, $6.50; case 300, $18.00.

Clearing a lot of **Paper White Grandiflora Narcissus**..... Per 100 $0.75, Per 1000 $6.50

TULIPS,

	Per 100	Per 1000			
Duchess de Parma	$0.75	5.00	La Candeur	.75	6.00
Murillo	1.85	17.00	Tournesol	1.40	13.50
Rose Blanche	.75	6.50	Single or double mixed	.65	6.00

La Reine..... 1.00 7.00

READY FOR DELIVERY, Lil. Auratum, Album, Rubrum, Etc.

NOVELTY BONA FIDE for forcing. Can be brought in with Lil. Longiflorum. Flowers delicate rose, trumpet shaped.

Lil. Rubellum, described in FLORIST. Sample bulb by mail, 25 cts.; dozen, $2.00. Stock limited. Send orders for NOVEMBER delivery: Begonias, tuberous; Gloxinias, Paeonies, Iris, Sweet Pea Seed, etc. DECEMBER: Fern Balls, Latania Borbonica Seed, Tuberoses, etc.

ADDRESS **H. H. BERGER & CO.,** ESTABLISHED 1878. **47 Barclay St., New York City.**

THE MARQUIS!

100,000 Already Sold!

"THE American Beauty of Carnations." The finest pink Carnation ever introduced. In Color, Form, Size, Fragrance, Stem and Habit, ideal. An absolutely continuous bloomer. It will net you twice as much per square foot of bench space as the best of the older varieties. You cannot afford to be without it. Strong rooted cuttings, March delivery, $10.00 per 100; $75.00 per 1000. For sale by

H. A. DREER, Philadelphia; BOBBINK & ATKINS, Rutherford, N. J; JOHN N. MAY, Summit, N. J.; VAUGHAN'S SEED STORE, New York and Chicago; F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.; C. W. WARD, Queens, N. Y; A. ROLKER & SONS, New York; F. DORNER & SONS CO., Lafayette, Ind.; E. G. HILL & CO., Richmond, Ind.

L. E. MARQUISEE, = Syracuse, N. Y.

LAKEVIEW ROSE GARDENS, WHOLESALE GROWERS OF CUT FLOWERS.

AMERICAN BEAUTIES, Per doz.
extra long stems.....$3.00
24 to 30 in.....2.50
20 in.....2.00
15 in.....1.50
12 in.....1.00
8 in.....50

BRIDES, MAIDS, METEORS, $3.00 to $5.00 per 100; PERLES, $2.00 to $4.00 per 100; GOLDEN GATE, ADMIRAL DEWEY, MME. CHATENAY, $4.00 to $6.00 per 100. CARNATIONS, $1.50 to $3.00; 'MUMS, $6.00 to $15.00 per 100. ☞ Prices subject to change without notice. We can fill all orders on short notice.

.....Jamestown, N. Y.

The MODEL Extension Carnation Support.



LANCASTER PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.
Dear Sir:—Your Mode' Carnation Support is a l right in every way and will no doubt be c mmle ed as necessary as good plants with growers when better known I consider it the best on the market, and if your other specialties are equally as g od, they shou'd make another addition to the money makers of 1900 Respectfully.
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y. Feb 18 '97.
MR THERON PARKER,
Dear Sir.—Your wire stake is certainly a gem Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb 18 '97.
MR. THERON PARKER,
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports I think that those I have had from you are ab ut as perfect as anyb dy will be able to make them They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time Wishing ery success in the sale of them, I am Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes
AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

CARNATIONS!

After Chrysanthemums are thrown out, many florists plant Carnations We have a few thousand plants heeled in cold frames suitable for this purpose. They are first-class plants.

Buttercup, C. A. Dana, Crimson Sport, Eldorado, Mrs. Fisher, Wm. Scott, Mayor Pingree, Armazindy, Daybreak, Jubilee, Meteor, Sweet Brier, Capt. King, Albertini.

$4.00 PER 100.

J. L. Dillon, Bloomsburg, Pa.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

AMERICAN BEAUTY

Bridesmaid Perle. Bride. Sunset. Meteor, Morgan, Testout, Mermet, Wa France, Niphetos, Kaiserin. 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

CARNATION PLANTS. STRONG FIELD GROWN.

McGOWAN.....$3.00 per 100, $25.00 per M.
EVELINA, MAYOR PINGREE,
McBURNEY, KOHINOOR,
NANCY HANKS, WM. SCOTT,
ARGYLE, PORTIA,
$2.50 per 100, $20.00 per M.

All plants sold under the condition that they are to be returned immediately if not perfectly satisfactory.

REINBERG BROS.,
51 Wabash Ave., CHICAGO.

SURPLUS OF FIELD-GROWN CARNATIONS,

all under shelter in a cool house, ready for shipping.

MACEO, GLACIER.....$10.00 per 100
DUHME, EVANSTON, DAYBREAK, PINGREE, MARY WOOD, VICTOR, ARGYLE, ARMAZINDY, $5.00 per 100.

F. DORNER & SONS CO., La Fayette, Ind.

CARNATIONS at $3.00 per 100 cash until all sold. All first-class plants—Flora Hill, Dana, Portia, Eldorado, McGowan, Scott, T. Cartledge.

D. R. HERRON, OLEAN, N. Y.
GEO. L. GRAHAM, Florist.

Greenhouses. 57-65 Seward Ave. 'Phone 66 W.
Salesroom. 87 Main St. Phone 76 B.

BRADFORD, PA., Sept. 16th, 1899.
MR D. R HERRON, Olean, N. Y.:
Dear Sir:—Your Carnation plants I bought from you last season gave me the best satisfaction and best results I ever had. I lack the following varieties, Daybreak Eldorado and Dana. Send me 100 of each to complete filling my house. as I have added one more house this fall. Yours truly, G L. GRAHAM.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, Atco, N. J.

FINE CARNATIONS. Large, healthy plants from cold house to fill in place of chrysanthemums: Daybreak, silver spray, Meteor and Keller. $1.00 per 100. Cash, please. Order at once.
MRS. ELLA E. ARTHUR, Lowville, N. Y.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL 1000 SILVER SPRAY
500 McGOWAN 1000 IVORY
500 GOLDFINCH 500 ELDORADO
1000 EMILY PIERSON 500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

PLEASE SEND ADVS. NOW FOR THE

AUTUMN NUMBER

OF THE

AMERICAN FLORIST

TO BE ISSUED **NOVEMBER 11.**

FINE Field-Grown Carnation Plants

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini. Tidal Wave. Mrs. Fisher, Empress, Mayor Pingree, Bon Ton and Scott. **$4 00 per hundred.**

☞ Cash with order please.

VAN WERT GREENHOUSES, Van Wert, O.

CARNATIONS

Fine field grown plants.

HECTOR, large scarlet. EVELINA, very free white. $6.00 per 100; $50.00 per 1000. 500 plants at 1000 rate.

H. WEBER & SONS, Oakland, Md.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.

GREENHOUSES AND ADDRESS
JOLIET, ILL.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

PROF. S. A. FORBES has completed the inspection of the 274 nurseries in Illinois at an average cost of $5.38 for each.

ALONG Chicago boulevards large numbers of well-grown trees, killed by the severity of last winter, are being replaced.

THE Missouri State Horticultural Society will make a display of apples at the Paris Exposition and the Armour Cold Storage Co. will hold the fruit free of charge.

C. E. WHITTEN, Bridgman, Mich., reports a brisk demand and a shortage of strawberry plants which he expects to result in an advance of from fifteen to twenty-five per cent.

THE Chase Nursery Company has added to its California holdings, recently buying the large property known as the Armstrong tract, already improved and with one of the best wells in the valley.

Salem, Mass.

At 8 Crombie street, at what is considered the oldest flower and plant stand in New England, I found McGee, Geary & Co. as busy as ever. This concern does an immense amount of funeral work and has every convenience for handling all classes of business. Large quantities of bedding and decorative stock are disposed of annually, especially primulas at this season. They have a fine lot on hand, coming on in good shape. Flowers and plants were advertised for sale from this location as long ago as 1842. TAP.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.
Geo. Hancock & Son, Grand Haven, Mich.

DRACAENA INDIVISA CLUMPS
from open ground; fine stuff, ready for 6, 7 and 8-inch pots, 10c, 15c and 20c each.
SMILAX, fine 2-inch stock, $1.25 per 100; $10.00 per 1000.
J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.
CASH WITH ORDER.

1800 DAYBREAK,
300 METEORS
is what I have left in Field-Grown Carnation Plants
and are extra fine; $4.00 per 100 or $30.00 per 1000.
W. A. WETTLIN, Hornellsville, N. Y.

BROWALLIA GIGANTEA.
Fine plants to grow on for your Xmas trade.
Rooted cuttings.....$2.00 per 100
Out of 2½-inch pots, bushy..... 4.00 "
Out of 3½-inch pots, bushy..... 6 00 "
Samples for 10 cts. in stamps.
HENRY EICHHOLZ, Waynesboro, Pa.

PANSIES.
Fine plants from my own select strain, $4 per 1000.
PRIMULA FORBESI, blooming plants in 2½-inch pots, $3 00 per 100.
VINCA VAR. MAJ., strong field clumps, $5 per 100.
CASH. W. J. ENGLE,
Cor. Xenia Ave and Dover St., Dayton, O.

20th CENTURY VERBENAS.
Thirty-two grand mammoth varieties, including the new Capt. Dreyfus, Helen Gould, Melba and many others. This is the set that will make the money for the retail florist in the year 1900. Strong, 2-in. pot plants ready Nov. 10th, $2.00 per hundred: rooted cuttings, 60c per 100, $5.00 per M.
NEW DBL. FRINGED PETUNIAS, Henderson's and Dreer's latest set, known the world over as the standard of perfection; strong rooted cuttings Nov. 10th, $1.00 per 100; 2-in. pot plants, $2 a 100.
20,000 SEEDLING SMILAX now ready for immediate delivery, 50c. per 100, $4 per M. free by mail.
PRINCESS PAULINE AGERATUM, the great novelty of '98, the only one to grow; rooted cuttings now ready, $1 00 per 100; strong 2-in. pot plants, 50c. per doz., $2 00 per 100.
1000 FIELD CARNATIONS, mixed, $2.50 per 100 to close out (protected from frost). Wholesale list now ready. Send for it.
1000 BRIDESMAID ROSES, 2½ and 3 in., $2.50 per 100 to close out. CASH WITH ORDER.
SOUTH SIDE FLORAL CO., Springfield, Ill.

Asparagus Plumosus Nanus
STRONG STOCK.
2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000
Also ARDISIA CRENULATA, fine, well-berried plants, 5-inch pots, at 75c and $1.00.
S. S. SKIDELSKY,
1653 No. 7th St., PHILADELPHIA.
Mention American Florist

ASPARAGUS Sprengerii.....2½-in., $5.00 per 100
Asparagus Plumosus, 2½-in. 5.00 "
NEPHROLEPIS Cordata Compacta, 2½-in., fine..... 5.00 "
Nephrolepis Bostoniensis, 2½-in... 5.00 "
GERANIUMS S. A. Nutt, etc., 2½-in.. 2.50 "
SMALL FERNS for dishes, " .. 4.00 "
CARNATIONS, field-grown..... 5.00 per 100
CASH PLEASE.
CARL HAGENBURGER. W. Mentor, O.

H. P. ROSES. Doz. 100.
Strong 2 year plants, own roots.....$1.50 $10.00
Double white Poet's Narcissus..... 1 00
Monthly Roses from pots or open ground 8.00
PAEONIES for fall planting in choice assortment, $10 per 100.
CLEMATIS for fall. Write for prices.
F. A. BALLER, Bloomington, Ill.

HOME OF CHOICE TREES
and Hardy Plants.
SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias Blue Spruce.
NEW INTRODUCTIONS OF HARDY PERENNIALS.
NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. Catalogue free.

NURSERYMEN....
IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

THE BOSTON FERN A Specialty.
Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.
L. H. FOSTER, 45 King St., DORCHESTER, MASS.

ALTERNANTHERAS, Red and Yellow. Rooted cuttings —per 100, 50c.; per 1000, $4.00. Also Coleus, Geraniums, Petunias, etc. E. I. RAWLINGS, Quakertown, Pa.

100,000 Gladiolus Choice mixed, mostly light shades, from $1.50 to $5.00 per 1000, according to size. Write for full particulars. Also fine stock of Dahlias.
L. H. READ, Grand Rapids, Wis.

ALPINE AND Herbaceous Plants.
Stansfield Bros. wish to call the attention of their American patrons to their large and extensive stock of Choice Alpines, Herbaceous and Old Fashioned Garden Perennials. *Catalogues on application.*
100 Alpines 40s. 100 Herbaceous Plants 40s, free on boats Liverpool.
STANSFIELD BROTHERS,
SOUTHPORT, ENGLAND.

For Parks, Cemeteries or Private Grounds
we can furnish a very large and superior stock of
FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.
Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.
Remember we are Headquarters for Nursery Stock in the East.
Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.
SATISFACTION GUARANTEED. ADDRESS...
STEPHEN HOYT'S SONS, New Canaan, Conn.

DEUTZIA GRACILIS.
Strong, bushy plants for forcing, $6.00 per 100.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Send for price list of Hardy Shrubs and Trees.

I have a large stock of 2 to 3 year old, extra strong field-grown
CLEMATIS
with 30 per cent Jackmanni or extra strong 2-year cultivated plants, in 6-in. pots, with 50 per cent Jackmanni, $7 per 100, $60 per 1000; without Jackmanni, $6 and $50; only Jackmanni, $9 & $80. References required from nokoowu correspondents.
J. CROENEWEGEN, Bosko n, Holland.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS A SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

SCALE LAWS.
All legislation to date. Federal, Canadian and nineteen States, affecting florist and nursery stock, importations, etc. Compiled in pamphlet form.
Postpaid, 25 cents.
THE NATIONAL NURSERYMAN PUBLISHING CO., ROCHESTER, N. Y.

OAKS 10,000 Pin, Scarlet, Red, White Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Do You Know This Market?

In determining the desirability of a commission house as a place for you to buy or sell there are certain points to be considered—the location, size and reputation of the house, its capital, equipment and business methods.

Now, the statements which follow are not a boast; they are plain facts, not comparisons. If you know this market you will recognize these truths. If you do not know these things you will be the gainer by these words; so shall we.

There may be in the United States commission houses handling more cut flowers than we do. If there are such houses they are east of Philadelphia. No one in the west approaches us in volume of business.

Having handled cut flowers upon commission for twenty years, since the trade was in its infancy, we have a thorough knowledge of our business and our field, even of your business. We know what we can do; what we can do for you.

We have capital ample for our needs. We render weekly statements to our growers and pay regularly, upon request, if the grower wants the money.

We have a large force, a thorough organization and equipment; there are no bit-or-miss methods here. Last spring we removed to the best quarters we know of for our business. We have two modern cold storage rooms, one containing 4200 cubic feet, the other 7200. Our packing is perfect, our shipments prompt. In fact promptness and fair dealing are the greatest elements of our success.

This season our business has been the largest in our history. We are selling more stock than ever; not all that comes to this market, but a big part of it and some of the very best. What you can't get here you can't get anywhere.

We have already had a number of growers return to us who had thought they could do better elsewhere, and tried it. We have also added, this fall, several growers who think they see in the above facts reasons why we are best fitted to handle their stock.

But the shippers are coming to us no faster than are the buyers. We are pleased to welcome both. May we welcome you?

Kennicott Bros. Company,

Wholesale Commission Florists,

42 & 44 Randolph St.,

CHICAGO, ILL.

FLINT KENNICOTT, Pres. E. E. PISER, Treas.
HON. ROBT. REDFIELD, Vice-Pres. G. H. PISER, Sec'y.
R. R. JAMPOLIS, Atty.

40,000 'MUMS

Between now and Christmas we shall market the entire cut of one of the largest growers about Chicago, 40,000 first-class flowers, A1 in every respect.

We are exclusively **Rose Growers** and can supply the best qualities, including American Beauty, at all times.

We are also in a position to fill orders for the most popular varieties of **Carnations.**

All orders shipped at market prices within two hours of receipt.

..THE..
VARIETIES.

PINK.
Glory of Pacific,
Maud Dean,
Mrs. E. G. Hill.

YELLOW.
Yellow Queen,
Major Bonnaffon,
Golden Wedding.

WHITE.
Fee du Champsaur,
Mrs. Jerome Jones,
Frank Hardy,
W. H. Chadwick,
Wanamaker,
Mayflower,
Ivory.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

When writing mention the American Florist

800,000 FEET OF GLASS.



ASCHENBERG BROS.

Wholesale Growers of

CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

Wholesale Price List.

AMERICAN BEAUTY			
30-36-in. stem	per doz.,	$3.00 to	$3.50
24 "	"	2.50	
20 "	"	2.00	
15 "	"	1.50	
12 "	"	1.00	
8 "	"	.75	
METEOR	per 100,	3.00 to	4.00
BRIDESMAID	"	3.00 to	4.00
BRIDE	"	3.00 to	4.00
LA FRANCE	"	3.00 to	5.00
PERLE	"	3.00 to	4.00
CARNATIONS	"	1.00 to	3.00

Quotations subject to change without notice. All other stock at lowest market prices.

WE NOW CLOSE AT 6:30 P. M. SUNDAYS AND HOLIDAYS AT NOON.

When writing mention American Florist.

ALL KINDS OF GOOD STOCK.

It isn't always easy to get good stock. If you can't get it here you can't get it anywhere. That's because our growers know their business.

We have the finest Chrysanthemums, and Carnations are our specialty. We ship what we call our "trade winner" brand.

We should like a few more customers who appreciate good treatment.

WHOLESALE CUT FLOWERS.

E. C. AMLING,

51 Wabash Ave., CHICAGO.

W. S. HEFFRON, Manager.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Milwaukee to Visit Chicago.

The Milwaukee bowlers, who entertained the Chicago team so hospitably last spring, will be the guests on the evening of November 8, during the flower show. Three of Anson's alleys have been engaged for the contest, two for the match game and another for such other players as wish to participate in the frolic. A lunch will be served.

St. Louis Juniors.

At the regular meeting of the Junior Florists' Bowling Club, Tuesday, October 31, the following scores were made:

Player	1st	2d	3d	Av.
A. Y. Ellison	147	186	136	156
Wm. Holtz	137	148	140	142
James Lupe	126	125	130	127
H. Betteken	87	121	132	113
W. Adels	105	106	114	108
F. Ellis	111	80	133	108
J. Arado	94	115	103	104

A. Y. E.

At Minneapolis.

The following is the record of the Twin City Florists' Bowling Club for October 17:

Player	1st	2d	3d	4th	Av.
G Will	146	134	188	162	158
G. Malmquist	146	132	171	162	153
J. Monson	134	164	154	119	143
Hoppe	135	155	140	135	141
E. Nagel	142	134	133	131	140
J. Hartman	105	108	141		118
H. Barsch	129	124	98	97	112

N.

At New York.

The handsome ball and case offered by P. O'Mara as a prize for the best record for October was won by A. S. Burns, a most indefatigable bowler. The score for October 30 was as follows:

Player.	1st.	2d.	3d.	4th.	5th.	Av.
Lang	138	136	159	164	172	154
Schenck	116	169	149	170	143	149
Traendly	112	121	143	160	143	136
Burns	115	159	156	102	129	130
Siebrecht	167	98	118	157	105	129
Withers	119	122	112	142	146	128
Marshall		129	127	129	114	125
Donlan	110	95	136	121	107	114
Shaw		94	124	118	100	109

F. H. T.

At Chicago.

Although the Chicago Florists' Bowling Club had a small attendance on Friday evening, October 27, some excellent scores were made and all previous records smashed. Asmus reached the exceedingly high mark of 278, thereby breaking his own record of 216, and tying the best score ever made on Anson's alleys. Degnan made the next highest score, 262, also exceeding his best previous record, which was 233, made on August 13, in the match with the Omaha team. Winterson also made a double century with 210, being closely followed by Hunt with 198 and Coulson with 192. Following is the record of the games:

Player	1st	2d	3d	4th	5th	6th	7th	8th	Av
Asmus	129	161	142	180	171	278	177	166	176
Coulsou	157	192	160	183	165	166	164		170
Degnan	117	178	140	162	178	138	262	155	166
Winterson	115	168	150	155	210	158	163	134	157
Hunt	138	142	143	132	198	145	147	135	148

At Flatbush.

On Monday evening October 31 the Royal Arcanum, Brooklyn Lodge, Bowling Club and the Flatbush Florists' Bowling Club gave a surprise party to Mr. and Mrs. Jno. B. Phillips, on the twenty-third anniversary of their marriage. The Royal Arcanum boys presented Mr. Phillips with a watch charm and the florists gave Mr. and Mrs. Phillips a loving cup. A game of euchre was indulged in and it is generally understood that while the Arcanums are able to beat the florists at bowling they are not in it when it comes to euchre. P.

At Philadelphia.

A match with the strong Melrose team was played on the home alleys Wednesday evening, November 1. The boys did themselves proud, winning all three games with a total margin of 668 pins. The visitors were simply outclassed, although they are regularly organized and have alleys of their own. The handicap for November commenced with these games. The score follows:

MELROSE.	1st.	2d.	3d.	FLORISTS.	1st.	2d.	3d.
Petzold	134	117	126	Walker	169	154	144
Saalfrank	110	146	111	Brown	141	192	160
Wolf	137	145	138	Johnson	132	1 6	133
Eichler	136	102	84	Connor	151	157	169
Hardy	139	114	105	Hamilton	188	128	192
Hoffman	104	106	145	Moss	142	170	199
Total	760	740	709	Total	923	957	997

K.

HIGH GRADE

Lily of the Valley Pips

My first shipment of Valley Pips, for early forcing will arrive about November the 20th. Having inspected my stock personally this summer, I am confident it will be of the high-st grade and give the best satisfaction. They are strong pips and well rooted, and to introduce them more, I will sell them at the low figure of

$9.00 to $11.00 per 1000.

Fancy Valley in Bloom

I have always been regarded as headquarters for Valley, particularly the finest. I am more than ever in the same position and invite everybody to view my stock as I have constantly the finest and largest lot in bloom.

FOR SALE AT ANY CHICAGO COMMISSION HOUSE

AND BY

H. N. BRUNS,

690 W. Van Buren St., CHICAGO.

ROCKY MOUNTAIN TREE AND FLOWER SEEDS.

We have the true **Aquilegia cœrulea.**

New wholesale price list of

Florists' Supplies

now ready. ∴ Western Florists will save money by buying in Denver.

Colorado Seed Store,

BARTELDES & CO., DENVER, C LO.

PALM *Seed.* FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5 00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

BOBBINK & ATKINS,

Representative of the following European Houses:

The Horticultural Co., Boskoop, Holland, H. P. Roses, Rhododendrons, Clematis, Hardy Azaleas, etc.

Rudolph Van Til & Co., Hillegom, Holland, Dutch Bulbs.

Jules Gauchault, Orleans, France, French Seedlings and Stocks; Victor Lemoine, Nancy, France, Novelties a Specialty.

Snoeck Bros., Gendbrugge, Belgium, Ficus cuttings, Palms, Araucarias, Bay Trees, etc.

Goods of these firms kept on hand in season.

RUTHERFORD, N. J.

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

WANTED

SOME STRONG PLANTS OF... **HARDY IVY.**

CHAS. KRUEGER, NARBERTH, PA.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY			
30-36 in. stem	per doz.	$3.50 to	$4.00
24 "	"	2 50 to	3.00
20 "	"	2.50	
15 "	"	2.00	
12 "	"	1.50	
8 "	"	1.00	

METEOR	per 100	$4.00 to	$5.00
BRIDESMAID	"	3.00 to	4.00
BRIDE	"	3 00 to	4.00
PERLE	"	3.00 to	4.00
CARNATIONS	"	1.50 to	2.00

Quotations subject to change without notice. All other stock at lowest market prices.

...THE...

AUTUMN NUMBER

OF THE

American Florist

WILL BE ISSUED

November 11

and will be of surpassing excellence. It will be handsomely illustrated, tastefully printed, widely read and of superior value as an advertising medium.

Advertisements in body pages will be taken at our ordinary rates, namely, $1.00 per inch, $30.00 per page of thirty inches, with the usual discounts on time contracts.

Advertisements on second, third and fourth *Special Cover Pages* (printed on heavy toned paper), $30.00 per page, net.

Advertisements on first and second *Ordinary Cover Pages* sold only on yearly contract, in the usual spaces, at $1.00 per inch, net.

American Florist Co.

324 Dearborn St., CHICAGO, ILL., U. S. A.

In order that you may be given the best possible position and display

PLEASE MAIL YOUR ADVERTISEMENT NOW.

Louisville Notes.

S. J. Thompson had a floral booth at the street fair and Elks' Carnival.

F. Walker & Co. had the only floral float in the street parade of the Elks.

Business has been very dull the last ten days, the result being that everybody is overstocked.

The Society of Kentucky Florists has decided to have no chrysanthemum show this year.

The nursery trade is good but the dry weather has delayed filling orders.

C. W. Reimers is closing out all of his plant stock to give exclusive attention to growing cut flowers.

H. G. Walker has returned from a short trip in the south.

The Anchorage Rose Co. reports an excellent demand for buds this fall, more than double that of any previous season.

Miss Josie Schuh has been quite ill but is now convalescent. H. G. W.

MARION, O.—F. E. Blake has established a down-town store.

ELMIRA, N. Y.—The principal trophy to be competed for at the second annual chrysanthemum show of the Elmira Horticultural Society, November 15 and 16, is the silver cup of the Board of Trade, awarded to the best seedling each year.

Here's Your Chance!

On the opening day of the Boston Chrysanthemum Show,

Tuesday, Nov. 7th,

N. F. McCARTHY & CO.

will sell at

...AUCTION...

a grand lot of **Kentias, Latanias, Pandanuses, Umbrella Plants** and other desirable Palms and greenhouse plants in commercial sizes, from the establishment of

N. STUDER, ANACOSTIA, D. C.

Come and see them.

N. F. McCarthy & Co.

JOBBERS IN ALL FLORISTS' GOODS,
84 Hawley Street,
Telephone 734. **BOSTON, MASS.**

WE ARE CRANKS, when it comes to quality, knowing that "the best" is only good enough for our customers,

BUT WE ARE LIBERAL in prices, quality and service.

Bouquet Green, Holly, Xmas Trees,

Gathered under the supervision of our own men, experienced hands, that for the past ten years have done their share to make us **absolutely headquarters** for Xmas decorations.

Evergreen Wreathing, Holly Wreaths, Mistletoe, Etc.

The right kind at the right price, and last, but not least,

The mark, W. W. B. & Co., on case is an absolute guarantee for select quality. **at the right time.** Send us your list of wants for BOTTOM FIGURES.

W. W. BARNARD & CO.,
161 and 163 East Kinzie Street, CHICAGO.

HOLLY=VAUGHAN'S XXX BRAND.

THE Holly situation changes nearly every year. For the last four years they've begun to bring it into the country towns like potatoes. Every man has taken to cutting his own—or some other man's Holly, and packs it well, badly or indifferently, or any old way. The result is very bad for the retail florist. When we first started the Holly business, in 1880, our buyer contracted for a man's grove and cut the best and sorted it himself, and established Vaughan's XXX Stock as a brand worth having. Some years it has been the best in the Market; all years it has been as good as any, its average is high, but we wondered why so many culls would show up when we inspected our car lots (to sell to peddlers at half rates) and last fall our Mr. Vaughan located this town market Holly system, and cut it off from our man. We are buying and packing our Holly in the woods ourselves, and it costs more money, but it is worth to the retailer a lot more than it costs. **A good case of Holly is easily worth Ten Dollars, while cull stock can't be given away.**

We can suggest delivery dates which will keep you in good supply on the best days for selling Holly. Our prices are not advanced. How much can you use?

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Delaware Holly of the Best Grade from the Swamps, with Bright Green Foliage and well Berried.

Orders will now be received for shipments which will go forward freshly packed at the proper time. For prices and terms, address—

ALEX. PULLEN, = Milford, Del.
MILFORD NURSERIES.

Please mention the American Florist when writing.

HOLLY and HOLLY WREATHS

Competition is what makes business, so we defy it and are going to make the special low price same as other dealers are charging $5 to $7 a case Choice Delaware Holly, $3 case delivered in Chicago and vicinity; 10 cases, $2.60; this price for 3 weeks only so order now. Holly Wreaths, $3.50, Bouquet Green, $4, Roping, Galax Leaves, Running Cedar and Moss, Prepared Cycas Leaves, etc. CASH WITH ORDER.

A. K. SAVACOOL, Lewee, Del.

ACALYPHA SANDERI...

2½-inch plants.....$12.50 per 100
3-inch plants.....$18.00 per 100

RAMBLER ROSES. Yellow, White and Pink, strong 2 year plants, $10.00 per 100

The Conard & Jones Co., West Grove, Pa.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. **Cash with order.**

Asparagus Sprengerii, 2½-in. pots; Asparagus plumosus nanus, 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

We've thousands of readers and hundreds of advertisers. Each helps the other.

...OVERSTOCKED...

I have a large stock of Flowering **Begonias** that I will sell cheap to make room. They are fine and ready for 4-inch pots.

	Per 100
ERFORDI, in bloom.....2¼-in.,	$1.50
RED VERNON, " "	1.50
SANDERSONI..... "	1.50
FUCHSIOIDES..... "	1.50
HYBRID RENIE..... "	1.50

CASH WITH FIRST ORDER, PLEASE.

W. H. MURPHEY, - Minooka, Ill.

MANETTI STOCKS!

English and French, specially prepared for grafting, by 1000, 10,000 or 100,000. For fall and spring delivery. Write for prices.

HARRY A. BUNYARD,
42 W. 28th St., - NEW YORK CITY.

Do the American Florist a small favor. Mention the paper when writing to advertisers.

..AZALEAS..



WE are now filling orders for Azaleas, importations of which have arrived in excellent condition. Import prices will hold good as long as the stock is not potted; the varieties we supply are the most popular sorts suited to the American market and we can give you any proportion you wish in the four leaders.....

Mme. Vander Cruyssen, Vervæneana, Deutsche Perle and Bernhardt's Andrea Alba.

Personal inspection of the stock in Belgium, through our own representatives, enables us to offer the best stock obtainable at bottom prices.

Order now and save heavy express charges later on, as shipments can at this time be made safely by freight.

FINE BUSHY CROWNS, well set with buds—

10 to 12 inches in diameter			$4.50 per doz.;	$35.00 per 100	
12 to 14	"	"	6.00 "	45.00	"
14 to 16	"	"	7.50 "	55.00	"

SPECIMEN PLANTS, of the leading varieties—$1.00, $2.00, $2.50 and $3.00 each, according to size.

Henry A. Dreer, 714 Chestnut St., PHILADELPHIA.

NOVEMBER PRICES. Ready to Ship.

NEW GERANIUM, yellow foliage, pure scarlet bloom, double, 2½ in., $1.20 per doz., $10.00 per 100.

NEW GERANIUM, Double Snowdrop, the best double white bedder to date, 2½-in., $1.20 per doz., $10.00 per 100.

New Yellow **BABY PRIMROSE;** we have the only stock of this in the United States; 2¼-in., $1.20 per doz., $10.00 per 100.

PRIMROSES, Chinese and Obconica, to close out.

From flats, $1 per 100, $8 per 1000.
" 2¼-in. pots, 1.50 " 12.00 "
" 3½ " 4.00 " 25.00 "

10 per cent off on 5000 lots.

ALSO Forget-Me-Not, Coleus, Geraniums, Petunias, Begonias, Feverfew, Velvet Plant, Smilax, Iresines, all from 2½-in. pots, at **$2 00 per 100, $15.00 per 1000.** Pansy Plants, all sizes; write for prices. One year old Roses, outside, mixed, **$4.00 per 100** Hardy Grass Pinks, **$3.00 per 100.**

THE MORRIS FLORAL CO., Morris. III.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots . . 18.00
Price for 100 or more on application.

John H. Ley,

Good Hope, WASHINGTON, D. C.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.

Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

Orchids!

Just arrived in fine condition, a fresh lot of *Cattleya Mendelii* and *Lælia Jongheana*, also *C. labiata, C. Speciosissima, C. Gaskelliana* and *C. Harrisoniæ.*

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

A TRUE BONANZA

AND PRICES ON THE RISE.

THREE GEMS OF PUREST WATER.

Florists who grow their own plants and flowers will find none more profitable than our wonderful

3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."



IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other.

FOR CHRISTMAS OR NEW YEAR

nothing could be more pleasing, useful or profitable. While they last,

LARGE CLUMPS, READY TO DIVIDE,

$5 per 100 or 25 for $1 50 by express. Smaller ones by mail prepaid, same price.

A few hundred EXTRA LARGE CLUMPS,

$10 per 100, $1.50 for 12.

Any of above should make dollar plants by Christmas.

THE GENUINE EDELWEISS

OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. *10 for $1, 25 for $2, mailed free.*

THE LACE FERN,

POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water.

Young plants, 50c per 12, mailed; $4 per 100.
Larger, $1 per 12 or $8 per 100, express.

ASPARAGUS SPRENGERI

2½-in., fine, $4.00 per 100; 3½-in., $7.00 per 100.; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

☞"I made $75 more off 250 Baby Primroses than I did off 800 Violet plants; sold the flowers in New York. I want more; also some of your new Forget-me-not. W. H. BURBANK, Florence, N. J.

FOR WINTER BLOOMING. The Orange Violet (Browallia Jamesoni); makes extra fine specimens; 3½ in. $1.25 per 12, express. Browallia Speciosa, or Giant Violet, $1 per 12. Euphorbia Jacquiniflora, $1.25. Baby Primrose, 75c. New Primula Obconica hybrida, 75c. Golden Lilac (Centrum Aurantiacum), 75c. New pink Astilbe Chinense, offered first in Europe this year at $2 per one small plant; our price, field grown, very fragrant, $1 50 per 12. All except Orange Violet prepaid by mail or larger by express. Gloxinias, especially grown for Xmas blooming, fine plants, $7 per 100; 25 for $2. Little Gem Callas, $5 per 100; 75c per 12. Spotted Callas, monster bulbs, $5 per 100; smaller at $3 per 100, 25 at 100 rates.

A. BLANC & CO., Philadelphia.

PLEASE SEND ADVT. NOW FOR THE

Autumn Number

Pittsburg.

BUSINESS GOOD.—MUCH STOCK REQUIRED BUT ROSES ARE TOO PLENTIFUL.—BULB SALES BIG.—NOTES.

Business conditions are even better than last week. Wedding decorations constitute the greater part of the work and some very large orders have been handled. An increased demand for funeral designs, as well, has helped to swell the volume of business. Chrysanthemums of all colors are coming in plentifully, although fine blooms are rather scarce and bring good prices. Mediums are plentiful. Violets are too numerous and of poor color, owing to the warm weather. Some good Roman hyacinths came in this week, the first of the season. There is a glut of roses. The fall sales of tulips and hyacinths have exceeded previous seasons to such an extent that only mixed varieties can be had.

The committee appointed to arrange for the next club entertainment consists of John Bader, J. Semple, L. I. Neff, J. W. Ludwig and E. C. Ludwig. They will report at the next meeting.

Harry Baisley, of Detroit, was in town last week. G. O.

15,000 Latania Borbonica.

Fine plants of exceptional value, viz.:

	Per 100	Per 1000
2 character leaves, 12-15 inch	$15.00	$125.00
2-3 " " 4-in. pots, 15-18 in.	20.00	150.00
4-5 " " 5-in. pots, 18-20 in.	25 00	
5-6 " " 5-6 in. pots, 18-20 in.	40.00	

CALADIUMS....
Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...
The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.
12-15 inch..... $12 00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS.
350 ACRES IN NURSERY STOCK.
Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY.
Fruitland Nurseries. AUGUSTA, GA.

PRIMROSES.

	Per 100
CHINESE, single mixed, ready for 3-in. pots	$1 25
OBCONICA Grandiflora, " " "	1.25
FORBESII, " " "	2.00
150 ASPARAGUS SPRENGERI, 2½-in. pots	4.00
PANSY PLANTS, fine 1000, $2.75	.50

☞CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

Please mention the American Florist when writing.

25,000 CANNAS. Send list of you wants.
5,000 CARNATIONS, Scott, Portia and McGowan at 3c, or $25 00 per 1000. No frost. Not culls.
VINCA MAJOR VAR. and SPIRÆA Anthony Waterer, field stock, 5c.
GENISTA, 2½-in. 3c. MOONVINE, strong rooted cuttings, $1.50 per 100.
HALLEANA HONEYSUCKLE, rooted cuttings, strong, $1.50 per 100. ☞CASH PLEASE.
8ENJ. CONNELL, Florist, WEST GROVE, PA.

SURPLUS STOCK.

	Per 100
50 Farfugium grande, 4 and 5-in.	$15 00
50 Dracæna indivisa, 5-in., fine	7 00
50 Begonia Argentea Guttata, 4-in.	5 00
75 Primula Obconica, 4-in.	4.00
100 Smilax, 4-in., fine	3.00

Will ship selected stock only. Cash please, or will exchange for Kentia or Areca palms.
S. M. HARBISON, Danville, Ky.

BOSTON FERNS



THE true stock. Full and compact plants, not over-drawn. We can ship reasonable distances by freight. Order now for your Fall Sales.

Strong plants from 2-inch pots
" " " 2½ "
" " " 3 "
" " " 4 "
" " " 5 "
" " " 6-in. pans. } Write for Prices.

Fine Specimen Plants 7 "
" " " 8 "
" " " 9 "
" " " 10 "
" " " 12 "

Our large stock of PALMS, ARAUCARIAS, ETC., are also in the best possible condition. If you are in the market for Palms, write us for our Special Price List, now ready.

POINSETTIAS. Just the stock for Xmas flowering. Strong, stocky plants in 3-in. pots, per 100, $6.00; 4-in. pots, per 100, $10.

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph St.
NEW YORK: 14 Barclay St.
Greenhouses: Western Springs Ill.

We have a LARGE and FINE stock of

KENTIAS AND LATANIAS

in POPULAR SIZES. Also Small Ferns, Cocos, Etc. Send for list.
Large Stock of AZALEAS JUST ARRIVED in Best Varieties and in Fine Condition.

USE OUR IMPROVED CUT FLOWER BOX.
Sample mailed free with list of sizes and cuts.

ELLIS & POLLWORTH, : : Milwaukee, Wis.

PRIMROSES.

CHINESE. Ready for 3's. The finest grown. Single and Double, $2.00 per 100; 250 for $4.00.
XXX STRONG AND FINE. Ont of 3½-inch pots, of the choicest varieties, $4.00 per 100.
PRIMULA OBCONICA ROSEA. The finest of all the Obconicas; $2.00 per 100.
GIANT PANSY PLANTS. No finer ever offered; in choice mixture, $3 00 per 1000. Strictly cash prices. ☞Extras added liberally to help pay expressage.

CYCLAMEN GIGANTEUM SEED.

Extra fine Giants in best mixture; pkt., 200 seeds, $1.00; half pkt., 50 cts.
THE HOME OF PRIMROSES.
JOHN F. RUPP, SHIREMANSTOWN, PA.

TRY SOMETHING NEW IN YOUR WINTER BLOOMING

ERICAS,

plants, all pot grown, set with bud, handled as easily as an azalea with similar treatment.

ERICA MELANTHERA SOLD OUT. CASH PRICES FOR OCTOBER DELIVERY:

"	PERSOLUTA ALBA	4-in., per 100,	$18.00;	per 1000,	$150 00
"	" ROSEA	" "	18.00;	"	150 00
"	REGERMINANS	" "	18.00;	"	150 00
"	CUPRESSIANA	" "	18.00;	"	150.00
"	WILMOREANA	6-in., $6.00 per dozen.			

Larger sizes and other varieties at reasonable prices.

H. D. DARLINGTON, FLUSHING, LONG ISLAND, N. Y.

Hydrangeas

FOR FORCING.

Otaksa, Red Branched, Thos. Hogg,

4-6 CROWNS, $10.00 PER 100, 90 00 PER 1000
2-3 " 7 00 " 60 00 "

These are magnificent strong plants and unusually good value for the prices asked. We promise satisfaction to the most critical. Order now while they can be shipped without danger of freezing.

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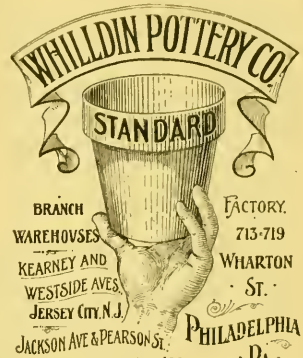
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TRADE SHOWS LITTLE CHANGE.—STOCK NOW EXCEEDS DEMAND.—DEPARTMENT STORES TO HANDLE FLOWERS.—VISITORS.

The conditions of the cut flower trade have not changed for the last two weeks except that the supply is now a trifle more than the demand. Carnations are in crop with nearly all the growers and are looking very fine. Roses have taken a back seat to make way for the chrysanthemums, which are in their prime. The recent warm weather has brought out violets in great quantities.

New Haven is at last to have flowers handled by the dry goods stores and the prospects are that the trade will be represented in no less than four of the largest. Howe & Stetson are to have a most elaborate display. The Malley Co. also intends putting in a floral department.

Recent visitors: Robt. W. Greenlaw, representing N. F. McCarthy & Co., Boston; John Reck, Bridgeport, Conn; and Mr. Thompson, of Thompson Bros., East Haddam, Conn. G. H.

SIMSBURY, CONN.—The newly remodeled greenhouse of Mrs. A. E. Wood was partially destroyed by fire October 22. The blaze is supposed to have caught from a new heater.

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PRIMROSES, 3½-inch, $7.00 per 100.

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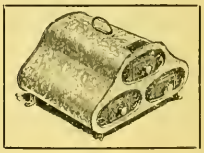
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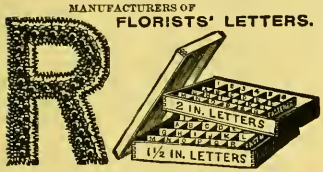
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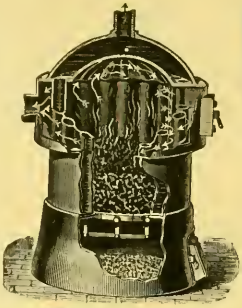
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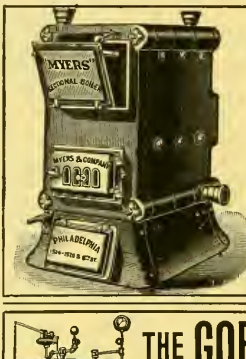
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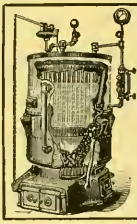
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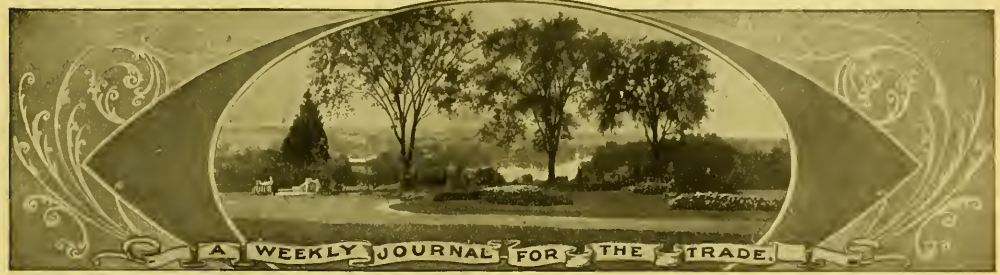
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; F. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 87 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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THE EXHIBITIONS.

Chicago.

The most attractive feature of the show here this year is the arrangement of the exhibits. Manager Rudd has certainly made the most of the splendid setting for the exhibits which the Auditorium Theatre affords, and notwithstanding the fact that the chrysanthemum exhibits are hardly up to the standard of former years, the effect of the entire display is charming.

The attendance, according to Secretary Egan, has beaten all records, due, no doubt, in large part to the excellent weather of the first four days, and to the association with the exhibition of a bazaar in the interests of prominent charities. President Chadwick is well pleased with the result, and he and his able lieutenants, among whom must be included the veterans John Thorpe and J. T. Anthony, deserve unmeasured credit for attempting a flower show on such a gigantic scale.

The principal exhibitors of chrysanthemum plants are Mount Greenwood Cemetery Association, Vaughan's Greenhouses, Henry Smith, Grand Rapids, Mich.; Martin A. Ryerson (John Reardon, Gr.), A. S. Trude (Robt. Mueller, Gr.), and J. J. Mitchell (Geo. Woodward, Gr.). In various collections the dwarf pink, single variety Mizpah was noted as exceedingly attractive.

Several extensive groups of foliage plants from Geo. Wittbold, in various parts of the building, particularly that of half-moon shape at the rear of the stage add much to the general attractiveness of the scene, the plants being well grown and arranged with consumate skill.

For well grown decorative plants, however, much credit is due Mrs. Geo. M. Pullman (J. Algots, Gr.) for an extensive central group. Among the plants in this lot we noticed admirable specimens of Polypodium aureum, Latania Borbonica, Kentia Forsteriana, K. Belmoreana, Dracæna Massangeana, Caryota urens, Phœnix reclinata, Alsophila Australis and Pandanus Veitchii.

The collection of orchids and nepenthes from E. G. Uihlein is as usual the center of attraction to a large number of patrons. Mr. Uihlein's gardener, H. Skjoldager, displayed much good taste in the arrangement of this group. In another batch of plants from the same sourse we noticed a nice plant of Phœnix Roebelinii.

In cyclamens there are some fine plants from Kalous Bros. and Anton Then. Rex begonias are shown in good form by Henry Smith, and Humboldt Park exhibits a fine specimen of Anthurium Veitchii and a new heliconia, which Dimmock, of Sander & Co., considers a winner.

A promising lot of new geraniums is shown by W. N. Rudd for Cottage Gardens, Queens, N. Y., and Martin A. Ryerson has a good display of small stove and greenhouse plants (most of them excellent specimens) arranged for effect.

The standard and bush plants of Heteranthe geraniums from the Mount Greenwood Cemetery Association, are a conspicuous and highly creditable feature.

The major part of the chrysanthemum plants are trained specimens, but the collection of untrained plants from J. J. Mitchell is well worth attention as showing what can be done with these plants without any extraordinary expenditure of cash or labor.

Noteworthy among the curiosities of the exhibition are a grafted chrysanthemum with twenty-two varieties on one main stem from Vaughan's greenhouses, a tomato grafted on a potato, showing potato tubers at the base and tomato fruits above, and plants and flowers in blocks of ice from E. G. Uihlein.

Violet plants are shown by Henry Smith and Crabb & Hunter, both of Grand Rapids, Mich., the prizes for cut blooms going to Eli Cross and Henry Smith.

In cut blooms of chrysanthemums the Mt. Greenwood Cemetery Association was principal prize-winner; in roses and carnations, Bassett & Washburn, closely followed by the Chicago Carnation Co in the latter.

Among the novelties on exhibition are blooms of the Asmus and Scott stocks of the Liberty rose, from Vaughan and Bassett & Washburn respectively; the rose Baltimore, from John Cook, of the Maryland capital; Onyx and Mme. Seulberger chrysanthemums, from E. G. Hill & Co.; Admiral Dewey chrysanthemums, from E. F. Lemke, of St. Paul, Minn.; Hibiscus Peachblow and a number of new French cannas, from Vaughan; Ethel Crocker carnation from E. G. Hill & Co.

and No. 11 carnation from H. Weber & Sons, of Oakland, Md.

E. M. Wood, president of the S. A. F., forwarded some of his famous prize chrysanthemum blooms all the way from Boston, and their excellence rather surprised some of the local growers.

Eleven vases of pompon chrysanthemums, exhibited by John N. May, of Summit, N J., attracted much attention.

A word must be said in favor of the effective decorations of cut flowers and plants supplied (for exhibition only) by E. Wienhoeber, Geo. Wittbold, C. A. Samuelson and the Anderson Floral Co.

The final awards for table decorations have not been made as we go to press, but full particulars of these will appear next week. The decoration of a buffet table (not for competition) by J. Curran, for Friedman, was, however, highly commendable.

Following are the awards up to and including Friday:

PLANTS—CHRYSANTHEMUMS.

Specimen plant, white, first, Mount Greenwood Cemetery Association with May Foster; second, J. C. Vaughan.

Specimen plant, yellow, first, Mount Greenwood Cemetery Association with Henry Hurrell; second, Martin A. Ryerson, John Reardon, gardener.

Specimen plant, pink, first, A. S. Trude, Robert Mueller, gardener, with Louis Boehmer; second, Mount Greenwood Cemetery Association.

Specimen plant, red, first, Mount Greenwood Cemetery Association with John Shrimpton; second, J. C. Vaughan.

Specimen plant, bronze, first, J. C. Vaughan with Oakland.

Specimen plant, any other color, first, Mount Greenwood Cemetery Association with Silver Cloud; second, J. C. Vaughan.

Three standards, not less than thirty-inch stems, first, Mount Greenwood Cemetery Association with Golden Wedding, Mrs. S. T. Murdoch and Mrs. H. Weeks; second, J. C. Vaughan.

Five standards, five varieties, not less than twelve-inch stems nor more than twenty-four, first, Mount Greenwood Cemetery Association with Henry Hurrell, Black Hawk, May Foster, Modesto and Nyanza; second, J. C. Vaughan.

Five specimen plants, five varieties, not over 10-inch pots, first, J. C. Vaughan with Henry Hurrell, Beauty of Truro, Enfant de Deux Mondes, Louis Boehmer and G. W. Childs; second, Mount Greenwood Cemetery Association.

Five specimen plants, anemone varieties, not over 8-inch pots, first, J. C. Vaughan with Halcyon, Ada Strickland, Mary Stuart, Descartes and Garza; second, Mount Greenwood Cemetery Association.

Five specimen plants, single varieties, first, J. C. Vaughan.

Ten specimen plants, pompon varieties, first, J. C. Vaughan with Mrs. Astie, Canary Bird, Miss Williamson, Martha, Antoine Noel, Mispah, etc.; second, Mount Greenwood Cemetery Association.

Twenty-five single stemmed plants, one variety, not over 6-inch pots and twenty-four inches above the pot, first and second divided equally between J. C. Vaughan with Mrs. Trainor L. Park and Henry Smith, Grand Rapids, Mich., with Mrs. H. Robinson.

Ten single stemmed plants, ten varieties, first, J. C. Vaughan with R. G. Carey, Mrs. Trainor L. Park, Georgiana Pitcher, Mrs. O. P. Bassett, G. W. Childs, Constellation, Jeannie Falconer, Mrs. H. Robinson, Mayflower and Adele; second, Mount Greenwood Cemetery Association.

Plant naturally grown, not disbudded and without support, first, Mount Greenwood Cemetery Association with May Foster.

PLANTS—MISCELLANEOUS.

Tomato grafted on potato, first, A. S. Trude, Robert Mueller, gardener.

Most interesting grafted specimen plant of any kind, first, J. C. Vaughan with chrysanthemum bearing twenty-two varieties.

Three standard geraniums, not less than thirty-inch stems, first, Mount Greenwood Cemetery Association with Heteranthe.

Fifteen geraniums, one variety, first, Mount Greenwood Cemetery Association with Heteranthe.

Five Rex begonias, five varieties, first, Henry Smith.

Five begonias in bloom, first, J. C. Vaughan.

Five ageratums in bloom, first, J. C. Vaughan.

Ten cyclamens in bloom, first, Kalous Bros., Chicago; second, Anton Then.

Collection of cypripediums, first, E. G. Uihlein.

Collection of orchids other than cypripediums, first, E. G. Uihlein.

Collection of ferns, George Wittbold.

Cut orchid blooms, first, E. G. Uihlein.

Five foliage plants, five varieties, first, M. A. Ryerson, John Reardon, gardener, with Anthurium grande, A. crystallinum,



CHICAGO CHRYSANTHEMUM SHOW POSTER.
(From the original design.)

Alocasia metallica, A. macrorhiza variegata and Dieffenbachia Bowmanii.

One palm, first, George Wittbold with Chamærops excelsa.

One croton, first, J. J. Mitchell, Geo. Woodward, gardener.

One dracæna, second, Geo. Wittbold.

One auraucaria, first, J. J. Mitchell, Geo. Woodward, gardener; second, M. A. Ryerson, John Reardon, gardener.

One Acalypha Sanderi, first, J. C. Vaughan.

One decorative plant, first, George Wittbold with Pandanus utilis.

One Boston fern, first, Geo. Wittbold; second, J. C. Vaughan.

One fern, first, E. G. Uihlein with Cibotium spectabile; second, J. C. Vaughan.

Basket Asparagus Sprengerii, first, Geo. Wittbold.

Six araucarias, first, J. C. Vaughan; second, Geo. Wittbold.

Twenty-five fancy caladiums, first, E. G. Uihlein.

Stove, decorative and greenhouse plants arranged for effect, open to all, first, Geo. Wittbold; second, Mrs. Geo. M. Pullman, J. Algots, gardener, premiums to be divided equally.

Stove, decorative and greenhouse plants arranged for effect, open to florists only, first, Geo. Wittbold.

Two hanging baskets, first, Geo. Wittbold with Boston fern; second, E. G. Uihlein.

CUT FLOWERS—CHRYSANTHEMUMS.

Twenty-five blooms, one variety, white, first, Mount Greenwood Cemetery Association with Mrs. H. Weeks; second, Anton Then.

Twenty-five blooms, one variety, yellow, first, Gunnar Teilmann, Marion, Ind., with Major Bonnaffon; second, Mount Greenwood Cemetery Association.

Twenty-five blooms, one variety, pink, first, Gunnar Teilmann with Viviand-Morel; second, Mount Greenwood Cemetery Association.

Twenty-five blooms, one variety, red, first, Mount Greenwood Cemetery Association with Black Hawk.

Twenty-five blooms, one variety, bronze, second, Mount Greenwood Cemetery Association with Chito.

Twenty-five blooms Major Bonnaffon, Kennicott Bros. prize, Gunnar Teilmann.

Twelve blooms, twelve varieties, first, James Hartshorne with Red Warrior, Mme. Ferlat, Philadelphia, Idavan, Oakland, Mrs. W. C. Egan, Shilowa, Viviand-Morel, Mrs. S. T. Murdock, Modesto, Mrs. Reynolds and Pres. W. R. Smith; second, Mount Greenwood Cemetery Association.

Twelve blooms, one variety, named after Chicago women, silver cup won by James Hartshorne with Mrs. W. C. Egan.

Six blooms, one variety, white, first, Mount Greenwood Cemetery Association with Feu du Champsaur; second, James Hartshorne.

Six blooms, one variety, yellow, first, P. D. Armour, Jr, Oconomowoc, Wis., O. J. Speidel, gardener, with Mrs. J. J. Glessner; second, Jas. Hartshorne.

Six blooms, one variety, pink, first, H. Weber & Sons, Oakland, Md., with Mrs. Perrin; second, Anton Then.

Six blooms, one variety, red, first, H. Weber & Sons with Geo. W. Childs; second, Crabb & Hunter, Grand Rapids, Mich.

Six blooms, one variety, bronze, first, Mount Greenwood Cemetery Association with Boule d' Or; second, Crabb & Hunter.

Six blooms, one variety, any other color, first, Mount Greenwood Cemetery Association with Philadelphia.

One bloom each, not less than forty, named varieties, first, Mount Greenwood Cemetery Association with forty-six sorts.

One bloom each, not less than fifteen anemone varieties, first, James Hartshorne.

International competition, twelve blooms, twelve varieties, the awards were: Illinois, Mount Greenwood Cemetery Association; Maryland, H. Weber & Sons; Michigan, Crabb & Hunter; Ohio, Theo. Bock, Hamilton; Wisconsin, P. D. Armour, Jr., O. J. Speidel, gardener; Missouri, W. A. Chalfant, Springfield.

Grand prize, competition limited to above, first, Mount Greenwood Cemetery



GENERAL VIEW OF THE CHICAGO CHRYSANTHEMUM SHOW.

Association with Frank Hardy, Mrs. Perrin, Mrs. Jerome Jones, Pennsylvania, Feu du Champsaur, Henry Hurrell, Idavan, G. J. Warren, Black Hawk, Mrs. S. T. Murdoch, Mrs. J. J. Glessner and Chito; second, P. D. Armour, Jr., O. J. Speidel, gardener.

CUT FLOWERS—ROSES.

Twenty-five American Beauty, first, Bassett & Washburn.

Forty Kaiserin Augusta Victoria, first, W. W. Coles, Kokomo, Ind.; second, Bassett & Washburn.

Forty Bride, first, Bassett & Washburn.

Forty Bridesmaid, first, Bassett & Washburn.

Forty Meteor, first, Bassett & Washburn; second, Henry Smith, Grand Rapids.

Forty Perle des Jardins, first, Bassett & Washburn.

Six American Beauty, first, South Park Floral Co., New Castle, Ind.

Twelve Bride, first, South Park Floral Co.

Twelve Bridesmaid, first, South Park Floral Co.

Twelve blooms of new rose never before exhibited in this country, silver cup, won by light pink seedling, Baltimore, exhibited by John Cook, Baltimore, Md.

CUT FLOWERS—CARNATIONS.

Fifty blooms Flora Hill, first, Bassett & Washburn; second, Anton Then.

Fifty blooms White Cloud, first, Chicago Carnation Co.; second, Bassett & Washburn.

Fifty blooms Evelina, first, Mrs. E. B. Grave, Richmond, Ind.

Fifty blooms Lizzie McGowan, first, Anton Then.

Fifty blooms any other white, first, Bassett & Washburn with Mary Wood.

Fifty blooms Jubilee, first, Bassett & Washburn.

Fifty blooms any other red, first, Chicago Carnation Co. with G. H. Crane; second, Bassett & Washburn with Red Mrs. Bradt.

Fifty blooms Mrs. McBurney, first, Bassett & Washburn; second, Henry Smith, Grand Rapids.

Fifty blooms Cerise Queen, first, Mount Greenwood Cemetery Association; second, Bassett & Washburn.

Fifty blooms Argyle, first, Anton Then, second, Hinsdale Rose Co.

Fifty blooms Victor, first, Mrs. E. B. Grave; second, Hinsdale Rose Co.

Fifty blooms Frances Joost, first, Bassett & Washburn.

Fifty blooms New York, first, Chicago Carnation Co.

Fifty blooms Wm. Scott, first, Bassett & Washburn.

Fifty blooms Daybreak, first, Anton Then; second, Stuart & Haugh, Anderson, Ind.

Fifty blooms Triumph, first, Anton Then; second, Bassett & Washburn.

Fifty blooms any other pink not lighter than Scott, first, Bassett & Washburn with Painted Lady.

Fifty blooms Armazindy, first, Stuart & Haugh; second, Henry Smith.

Fifty blooms Mrs. Geo. M. Bradt, first, Bassett & Washburn; second, Chicago Carnation Co.

Fifty blooms any other striped, first, Bassett & Washburn with Psyche.

Fifty blooms Gold Nugget, first, Bassett & Washburn.

Twenty-five blooms pink, introduction of 1898, not lighter than Scott, first, Bassett & Washburn with Leslie Paul.

Twenty-five blooms red, introduction of 1898, first, Chicago Carnation Co. with G. H. Crane; second, Bassett & Washburn with G. H. Crane.

Twenty-five blooms any other color, introduction of 1898, first, Chicago Carnation Co. with General Gomez.

Three vases and varieties, fifty blooms each, first, Chicago Carnation Company with Mrs. Bradt, G. H. Crane and White Cloud; second, Singler Bros.

Fifty of any variety, introduction of 1898, Chicago Carnation Company with G. H. Crane.

VIOLETS.

Cut blooms, best display, first, Eli Cross, Grand Rapids, with Farquhar, Marie Louise, Lady Hume Campbell and Swanley White; second, Henry Smith, Grand Rapids, with Princess of Wales, Campbell, Marie Louise and Swanley White.

Ten plants in bloom, not over 6-inch pots, first, Henry Smith with Lady Hume Campbell; second, Crabb & Hunter, Grand Rapids, with Farquhar, Campbell and Swanley White.

TABLE DECORATIONS.

Wednesday, chrysanthemums, first, A. Lange; second, C. A. Samuelson; third; John Mangel; fourth, Anderson Floral Co.; fifth, W. L. Rock, Kansas City; sixth, A. Klokner, Milwaukee.

Thursday, roses, first, C. A. Samuelson; second, Anderson Floral Co.; third, W. L. Rock; fourth, A. Lange; fifth, John Mangel; sixth, A. Klokner.

Friday, white flowers, first, Anderson Floral Co.; second, John Mangel; third, A. Lange; fourth, W. L. Rock; fifth, C. A. Samuelson; sixth, A. Klokner.

The distribution of the $315 in premiums will be determined by the awards of the fourth day when the exhibitors will make their own choice of materials.

FLORAL ARRANGEMENTS.

Vase of roses arranged for effect, first, W. L. Rock, Kansas City, with American Beauties; second, A. Lange.

Vase of chrysanthemums arranged for effect, first, A. Lange with Golden Wedding; second, John Mangel.

Bridal bouquet, first, A. Lange; second, C. A. Samuelson.

SPECIAL COMPETITIONS.

Hanging basket or pot, ferns and asparagus excluded, first, E. G. Uihlein with nepenthes.

HONORABLE MENTION.

In the performance of their duties the judges made honorable mentions as follows:

To E. Wienhober, Geo. Wittbold, Anderson Floral Co. and C. A. Samuelson for their displays not for competition.

To A. McAdams for group of palms and decorative plants.

To John Reardon for crotons and foliage plants.

To Anton Then for baby primrose, salvias and chrysanthemums.

To Wietor Bros. for a display including American Beauty, Bride, Bridesmaid and Perle roses and G. H. Crane, Flora Hill, Armazindy, Triumph, Evelina and Argyle carnations.

AMONG THE VISITORS.

J. A. Evans, Richmond, Ind.; S. S. Skidelsky, Philadelphia, Pa.; Wm. Weber, of H. Weber & Sons, Oakland, Md.; J. A. Kramer, of I. N. Kramer & Son, Cedar Rapids, Iowa; R. H. Warder, Cincinnati, O.; Warren H. Manning and R. W. Greenlaw, Boston, Mass.; S. W. Pike, St. Charles, Ill.; Paul Fritz, and Frank Kuehne, DeKalb, Ill.; E. E. Haentze, Fond du Lac, Wis.; J. M. Smely, Aurora, Ill.; Lewis Turner, Kenosha, Wis.; O. Sylvester and O. J. Speidel, Oconomowoc, Wis.; F. G. Hunt, Sycamore, Ill.; Chas. W. Keller, Elgin, Ill.; F. B. Tinker, Peru, Ind.; J. M. Gasser, Cleveland, O.; Theo. Bock, Hamilton, O.; Herbert Heller and Otto Bourdy, New Castle, Ind.; W. L. Rock, Kansas City, Mo.; W. W. Coles, Kokomo, Ind.; N. B. Stover, Grandville, Mich.; Mrs. C. W. Pike, Racine, Wis.; A. Dimmock, New York; E. H. Giesy, of the Lockland Lumber Co., Lockland, Ohio; Louis Bauscher, Freeport, Ill.; John Faber, Kankakee, Ill.; Henry Baer, Peoria, Ill.; Herman Staeps, Elm Grove, Wis.; A. C. Brown, Springfield, Ill.; H. C. Thomson, Delaware, Ohio; Geo. A. Rackham and Harry Balsley, Detroit, Mich.; Prof. Jno. F. Cowell, Buffalo, N. Y.; A. Herrington, Madison, N. J.; Miss Bertha Kaber, La Porte, Ind.; Henry Smith, Eli Cross and Geo. F. Crabb, Grand Rapids, Mich.; Melchior Luetschg, Lake Geneva, Wis.; Fred. H. Lemon and Harry May, Richmond, Ind.; H. W. Reiman, A. Wiegand, Geo. B. Wiegand and A. Hartje, Indianapolis, Ind.; Fred. H. Holton, Mrs. B. Gregory, J. Arnold, W. A. Kennedy, Nick Zweifel, F. A, Gerlach, C. C. Pollworth, Wm. Edletsen, G. Hesse, Jas. Chacona, W. F. Halliday, P. Kapsales, Jos. Roder, Herman V. Hunkel, and Alex. Klokner, Milwaukee, Wis.; John Cook, Anderson, Ind.; Fred. Schulz, South Bend, Ind.; H. Clark, Geneva, Ill.; E. Lee, Lake Geneva, Wis.; Mrs. E. G. Wilson, Cleveland, Ohio.; Silas E. Button, Lake Geneva, Wis.; C. O. Williams and Mrs. Williams, Batavia, Ill.

Philadelphia.

"It's all right," is the answer given to the many queries of, "Well, what do you think of the show?" It is a very good exhibition; there are staged a greater number of well-grown and perfect specimens of greenhouse plants than ever before. These, in addition to the various collections of well-grown chrysanthemum plants, make the show very complete in this department, in fact the best held for some years. There is also a good showing of cut flowers, about equal to that of last season. The arrangement of the various exhibits is much in the old style. Groups are placed around the walls and irregularly in the center of the hall. It is a pity there is so little room for visitors. One of the pleasant features of exhibitions in the old hall was the sojourn to the gallery after viewing the display and there getting a birds-eye view over the whole show and listening to the music. A few seats have been placed on the stage, but as the number is limited, it is somewhat difficult to reach them and then one cannot very well help the feeling that they are on view themselves.

On entering the building the lower foyer was seen to be ornamented with two large groups of magnificent ferns, one of which secured first prize for twelve plants and also a certificate of merit. This was grown by Thomas Long, gardener to G. W. Childs Drexel. Each plant was a perfect beauty and the award of a certificate was well merited. The opposite group was also very well grown. In the center there was a magnificent specimen of Nephrolepis Bostoniensis, which must have been at least twelve feet in diameter, with every frond perfect; these were exhibited by Francis Canning.

The grand staircase was decorated with jars of fine chrysanthemums, leading the way and giving the visitor an inkling of what was to be seen in the main hall above. At the head of the first landing was a fine Boston fern. Entering the corridor to the foyer, on either side were found cut flowers, the principal feature of which was the collection of Japanese varieties imported last March by Percival K. Roberts, Jr. James Cullen, his gardener, made the most he could of the lot and while few, if any, have any commercial value, they are most interesting, being, as it were, the ancestors of the fine varieties that were shown all about them. Some of the flowers were large, while others were very tiny, not larger than a dime. There were over fifty vases in this collection, around which a crowd was always to be seen. Across the corridor the same grower covered a large table with splendid specimens of the best standard show varieties. Mr. Cullen does not believe in long stems and most of the vases contained flowers with stems eighteen inches or two feet in length. This seems to be best where not more than six of a kind are to be shown, as the flowers are always erect and keep their first arrangement throughout the exhibition. There were many other fine exhibits of cut blooms. Among the varieties most noticeable were Modesto, probably also the largest; Major. Bonnaffon, Viviand-Morel, Mrs. Perrin, Maud Dean, Philadelphia and Pennsylvania. These were in nearly every exhibit that called for as many as four or more varieties.

Frank Gould, who won first prize for the best twelve blooms, one of a kind, had Mme. Carnot, Yellow Mme. Carnot, Georgiana Pitcher, Sunstone, Queen Leonidas, Mrs. H. Weeks, Viviand-Morel, Major Bonnaffon, Mrs. Perrin, Philadelphia and Modesto.

A collection of pompons, for which J. N. May, Summit, N. J., received first premium, was much admired, also an exhibit of anemone varieties from J. M. Cleary, for which he was awarded first premium. A vase of twenty Maud Dean, by E. A. Stroud, was given first for best vase of pink.

The cut blooms, take them as a whole, were all good, there being nothing ordinary staged. A large fan plant must not be forgotten; it was exhibited by E. A. Jones and was about twelve feet wide at the bottom and eight feet high in the center. It contained some fifty good yellow blooms, which formed the fringe to the fan, being borne along the outer edge.

A very prominent feature of the show was the group arranged by Hugh Graham. This was a center space, oval, or diamond shaped. Mounted high in the center were a number of Acalypha



ONE OF WITTBOLD'S EXHIBITS AT THE CHICAGO SHOW.

Sanderi. These are undoubtedly the best specimens of this plant in this country and, arranged as they were, they made a grand showing. Between them and the pedestals on which they stood were arranged Boston ferns, palms and other foliage plants as a background, on the one side for vases of fine, long-stemmed Philadelphia, Pennsylvania and Mrs. Thos. Potter, Jr., chrysanthemums, the latter a new pink, and on the other for a collection of very gracefully arranged orchids. These latter were placed among Adiantum Farleyense and cork bark over mirrors. The whole group was well arranged and, from the arching top line of the "Dewey" plants, was called by the newspapers the Dewey arch. These plants of acalypha were a revelation and show what can be done with this subject by care in cultivation.

The only other orchids in the show were from the Roebling collection at Trenton. This was a choice lot, mostly cypripediums, but one, Cattleya Emily M. Roebling, white with pink throat, was new.

There were several fine wall groups of palms and other decorative plants arranged for effect, John Hobson winning first prize. The committee must have had considerable difficulty in placing this prize, as the groups were all well arranged and contained very well-grown plants. There were fine specimen Boston ferns in various parts of the hall and they attracted great attention on account of their unusual size and luxuriant growth. They should do much to make this plant popular.

H. A. Dreer exhibited a water garden, a tank concealed by ferns and other foliage and backed by tall palms. In this was a collection of water lilies in flower and other aquatic plants. This display was also always surrounded by an interested group of spectators.

The Landreth exhibit in the center of the hall consisted of a bamboo summer house surrounded by a curiously made fence of the same material. About the enclosure were a few palms in Japanese jars.

The Alburger Nurseries sent in a lot of standard chrysanthemums, which were nicely trained and well flowered. They were not in competition. Another exhibit of the H. A. Dreer Co. was a lot of vases of tritoma flowers or poker plant. These were very showy and attracted considerable attention.

In the front foyer there were arranged groups of ferns, caladiums, crotons, and on one table down the center was displayed a number of kinds of begonias, Rex and flowering varieties. Edwin Lonsdale showed twelve plants of the new Gloire de Lorraine, six of which were true and six of a sport from the variety which he has secured. It has a more compact habit, is a little earlier and the flowers seem larger, but the main distinction is the color, which is several shades of pink lighter. It looks like a good thing. Charles Robinson took the first prize for Rex varieties. Jos. Hurley was first with his collection of caladiums, a very beautiful lot of plants.

A sensational plant was shown by John A. Shellum. It was placed beside his exhibit of crotons, which were well colored, and it looked like a very broad-leaved and highly-colored croton, but in reality it was a coleus, one of the new German giant-leaved varieties. It was chameleon colored and the leaves measured nine inches by eight wide. The plant was in an 8-inch pot and stood about fifteen inches high. It was one of the most gorgeous foliage plants we have ever seen.



HUGH GRAHAM'S EXHIBIT AT THE PHILADELPHIA SHOW.

Among the ferns in this room was a specimen Adiantum Charlottæ. This was one of the most beautiful adiantums we have ever seen; it seems to make quite hard fronds and will no doubt come greatly into vogue in cut flower work.

The rose competition on Wednesday afternoon was all right in quality, but woefully lacking in quantity and variety. The list of forcing roses seems to be thinning out instead of increasing. Think of a rose show composed of three varieties! Well, there were two others, five in all, a vase of Meteors and Ernest Asmus' vase of Liberty, the latter fine, by the way. Yes, Beauty, Bride and Bridesmaid were the only kinds on view, save the two exceptions noted. Jos. Heacock took first for twelve Beauties, and Myers & Santman first for the best six. They also got first for Brides and Bridesmaids and Jos. Heacock second. We are glad to know there has been organized an American Rose Society and hope before long to see the list of forcing roses lengthen out a little.

The entries of carnations for the Craig cup were not so numerous as to crowd one another, but what were shown were good. Weber & Sons, of Oakland, Md., won the trophy with a fine large, light pink, about the color of Melba. The flower, however, is larger and longer petaled and slightly fringed. It has good form, is three inches in diameter and is borne on a strong stem. Dailledouze Bros. entered a large white, flaked with pink, something like Mrs. Fisher when grown cold. The flowers are much above the ordinary in size, are deeply fringed and well marked with pink. It has abundance of petals, which make a full flower, but is not very double. It is also borne on a stout stem. It received a certificate of merit.

Ethel Crocker received the first prize of the society for the best twenty-five blooms of an American seedling not disseminated. The vase full was fine. There were but few other carnation entries, although the list of prizes offered was a generous one. It may be too early or perhaps those fellows up in the "belt" have gone to sleep, which may explain the apathy.

K.

FRUITS AND VEGETABLES.

Those of us who remember the very small corner required for the fruit and vegetable department at the Philadelphia shows up to a few years ago, may well open our eyes at the transformation shown in this year's exhibition. The display is as large as last year, fine as that was, and the quality in several instances is distinctly superior.

The credit for this gratifying change in the fruit and vegetable display is mainly due to the liberality and enterprise of the

leading seed houses of Philadelphia in offering prizes. This plan was started some five years ago and was cordially supported, especially by the Messrs. Landreth, Michell, Dreer and Burpee. Their reward in the shape of effective advertising for their business is splendid, considering the small outlay, and they have the further gratification of knowing that they have helped to elevate this important branch of horticulture to its true place in the estimation of the public. Its rescue from the miserable proportions of days gone by is complete.

For the society's premiums the principal prize winners were John McCleary, Robert James, Thomas Holland, Joseph McGregor, F. Canning, P. McGinley and R. C. Kaighn. The seedsmens' premiums were well competed for and brought out some very creditable stock. The chief prize winners in addition to those already mentioned, were James Doran, Frank Gould, John Dodds, Joseph Hurley, William Kleinhaus, Wm. Morton, M. Mitchell, James Campbell, James Lawder, W. Henderson, L. A. Couche and Wm. H. Carey.

Richard Kaighn had a table of about 150 square feet on which he showed a grand collection of vegetables, fine specimens of nearly everything "from a to izzard" of a seedsman's catalogues and for this he deservedly received the first premium.

Another noticeable feature was the cauliflowers exhibited by James Lawler. They were magnificent specimens and were much admired. Jno. Dodd's exhibit of Spanish cardoon, for which he received first was also a strong attraction, very few ever having seen this vegetable The attendants were kept busy answering the endless questions of the budding housewives.

In hothouse tomatoes Best of All got first and Lorillard second. To my mind there was not much room to choose between them, both being very handsome varieties on the show table. Best of All is slightly rounded and the judges no doubt represented the general opinion as to their relative value; still, I think Lorillard will occupy the stage for some moons yet as the best all-round forcer.

The judges were W. F. Dreer, Burnett Landreth, Robt. Carey, and J. Cheston Morris.

James H. Bull and Gebhart Huster exhibited some good hothouse grapes, including fine bunches of black Barbarossa, Muscat, Alexandria and Black Hamburg. Peter Peterson was the chief prize winner in apples and pears.

The seedsmen had the usual displays of bulbs and sundries in the same hall as the fruits and vegetables. Michell's was particularly noticeable, not only for the good taste displayed in its arrangement but for the variety and beauty of the jardinieres, stands, flower vases, etc., composing the exhibit. Dreer showed some solid bronze flower vases imported from Japan which attracted a deal of attention.

G. C. WATSON.

NOTES ON THE SHOW.

At the Philadelphia show some things were seen that were worth going many miles to view. Mr. Roebling of Trenton, N. J., had a collection of rare and beautiful orchids which were one of the chief attractions. What interested me more than any other among them was a rare variety of the well known Cypripedium insigne, Laura Kimball, discovered by the late George Savage among a lot that had been secured from their native wilds before they had flowered. This is considered to be one of the very best of this class of varieties. It would be interesting and a very great treat to see all this class of C. insigne varieties in bloom at one time. I have an idea that the C. insigne Sanderæ is the nearest to the yellow shade. The one known as C. insigne Earnesti is not so bright nor is it so good in form of flower as is C. Sanderæ. Laura Kimball seemed larger than either. I may be wrong in all these statements, as it is over a year since I saw either C. Sanderæ or C. Earnesti.

When the Ives process of photography in colors is in commerce, rare orchids will naturally form an important part of many collections and very valuable and interesting they will certainly be. In the studio of Mr. Ives I saw three flowers of the famous Liberty rose, as life-like as the natural flower, color of course included. The pictures were taken some time last winter. To see them as they are in real life they are looked at in the same manner as are stereopticon views.

The cyclamens exhibited here are the finest ever seen in Philadelphia. The successful cultivation of this popular plant has been thoroughly mastered in this climate, as exemplified both by Lehnig & Winnifield, Hackensack, N. J., and Robert Craig & Son, Philadelphia. Those grown in New Jersey were much larger plants than were those grown in Philadelphia, but they were none the less healthy. It would be interesting to know at what time of the year Lehnig & Winnifield sow their seed to get such plants. When plants can be grown as well as both those exhibits were grown, the very best strain of seed is none too good for either of these firms to handle. Cost of seed should not enter into the matter to any great extent.

Hugh Graham & Son had the finest grown plants of Acalypha Sanderi ever seen here, and they attracted a great deal of attention.

Carnation Ethel Crocker was out in good form. This variety looks as though it would make its way in the world without much trouble. The carnation which seemed to attract the most attention was a seedling labelled No. 666. It is certainly a stunner! It is large, distinct in color and marking and very fragrant. If some enterprising retailer would only have the courage to give the owners of No. 666 an order to grow a large house of that variety at a remunerative price for their own exclusive trade, make it their own particular trade mark as it were, it would be a wise investment.

Robert Craig & Son had two well grown plants of Begonia Gloire de Lorraine. Edwin Lonsdale had six plants of the two distinct varieties of this valuable begonia, the one with dark pink flowers and the newer variety with delicate pink flowers. Unfortunately the begonias were exhibited at the dark end of the hall, where they could not be seen to advantage as to the difference in the color. There is nearly as much difference between the two shades of color as there is between the color of roses American Beauty and the hybrid remontant, Madam Gabriel Luizet. "Luizet Pink" would be sufficiently descriptive of this new begonia if everybody had seen the beautiful, satiny pink color which belongs to the flowers of the at one time popular Mme. Luizet.

Whenever possible only foliage plants and flowers that are bold and assertive should occupy this part of the building, for whenever the delicate tints in the colors of flowers are their chief charm they should always be given a position where unobstructed daylight shines fully upon them at all times.

L.



HETERANTHE GERANIUMS AS EXHIBITED AT THE CHICAGO SHOW BY THE MT. GREENWOOD CEMETERY ASSOCIATION.

Boston.

Although each year it seems as though the limit of progress had been reached, yet the following year shows undoubted superiority in one line or another over its predecessor. This is especially true of the trained plants exhibited this year. The poorest of the groups shown would have been considered marvels five years ago, while in the best the gardeners seem to have attained the impossible, perfec-



GUESTS OF E. M. WOOD AT WABAN ROSE CONSERVATORIES, NOVEMBER 2, 1899.

tion. The set of twelve staged by John Barr, gardener to Mrs. Cheney, are positively beyond criticism and the expert growers, local or visitors, stand about them and gaze in admiration mixed with awe. Scarcely a point behind them in cultural merit are the plants from Wm. Donald, gardener to J. H. Bailey. Mr. Hatfield's are not so large but they are in ten-inch pots, whereas the other exhibitors show in twelves. Mr. Barr's set includes the following varieties: Miss Georgiana Pitcher, Charity, Georgienne Bramhall, Iora, The Bard, Mrs. E. B. Freeman, Mrs. F. A. Constable, Mutual Friend, Mrs. Henry Weeks, Red Warrior, Silver Cloud and Arethusa. Mr. Donald's twelve are Arethusa, Ivory, The Bard, John Shrimpton, Mutual Friend, Golden Gate, Major Bonnaffon, Garza, Miss Anna Louise Dalskov, Black Hawk, Golden Trophy and Iora. D. F. Roy, gardener to E. S. Converse, Robert Camoron, gardener at Harvard Botanic Garden, and James Garthley were also represented by groups of well grown plants.

The plants grown to single stem and flower were remarkably even and not too tall. The principal competitors in the various classes in this section were Kenneth Finlayson, Chas. Sandiford, gardener to C. H. Souther; D. F. Roy and Jas. Nicol. In the groups arranged with palms, etc., Wm. Thatcher, gardener to Mrs. J. L. Gardner, took first and second prizes and D. F. Roy, third. The center of the hall was occupied effectively by a group of sixty Gloire de Lorraine begonias from Robert Cameron, a group of these with foliage plants from W. W. Edgar and a handsome pan of the same from Kenneth Finlayson.

The lower hall was filled to overflowing with the cut blooms. The large vases of long-stemmed blooms were, as usual, a striking feature. In awarding premiums for these the judges evidently recognized artistic arrangement and general effect as paramount to mere cultural perfection in the blooms used. Some of these vases with their contents towered to a height of ten feet. The prizes were distributed in the following order: Chas. Sandiford, Mrs. E. M. Gill, Geo. Melvin, gardener to Col. Chas. Pfaff; Norris F. Comley and J. W. Howard. The final order may be different as the vases are refilled and judged each day. On vases of ten long stemmed blooms the only competitors were Waban Conservatories, John Barr and N. F. Comley, with the exception of one entry by H. Dumaresq in the red class. Peter Kay, Maud Dean, Mrs. Jerome Jones, Yellow Mrs. Jerome Jones, Autumn Glory, Golden Wedding and Wm. H. Chadwick showed up grandly, especially in the Waban entries, which in size and finish of flower and foliage seemed to have reached perfection.

The Bradlee prizes for twenty-five blooms in twenty-five varieties are always coveted and bring out a grand lot of flowers. The prizes were awarded to John Barr, A. F. Whitin and Geo. Melvin. The lot staged by John Barr were beyond criticism, unrivalled in every point. The twelve incurved class brought out good exhibits from Robert Sandiford and D. F. Roy. Sandiford's winning set comprised Mrs. S. Coleman, Arline, Pink of Pearl, C. H. Curtis, Idealty, Mabel Ward, Dorothy Toler, Jaenne d' Arc, Mrs. Robt. Craig, Francis B. Hayes, Mrs. C. L. Madeira and Mrs. G. Spaulding. Twelve Japanese incurved from John Barr, winning first prize, were Mrs. Egan, Mrs. Morgan, Mrs. Geo. West, Rustique, Marguerite Jeffords, Maud Dean, Peter Kay, Mrs. H. Weeks, W. H. Chadwick, Philadelphia, Shenandoah and Mrs. H. Magee. Geo. Melvin came in second and D. F. Roy third. On the classes calling for six Japanese, six reflexed, and six Japanese incurved Chas. Sandiford won first prize followed by Edward Whitin, John Barr and D. F. Roy. The displays of naturally grown sprays and pompons were disappointing and nobody stopped to look at them. Mr. Sandiford's six reflexed varieties were Inter Ocean, Golden Gate, Viviand-Morel, Miss Gladys Vanderbilt, Lady Hanham and Yellow Mme. Carnot.

Introductions of 1899 were represented by two sets of twelve each, one from Chas. Sandiford and one from J. W. Howard. Sandiford won first premium with Shilowa, John K. Shaw, Zoraida, Mrs. Trainor L. Park, Yellow Mayflower, Silver Wedding, Monstrosum, Idavan, White Flyer, Phenomenal. Mrs. F. A. Constable and Admiral Dewey. Anemones were shown by C. Sandiford, K. Finlayson, D. F. Roy and John Thomas. The Gane Memorial prizes were awarded to Waban Conservatories and N. F. Comley, both showing Mrs. Jerome Jones. Mr. Hardigan, gardener to Dr. F. A. Williams, at the old Gane greenhouses, showed a group of the Gane seedlings and received honorable mention for one of them, the Bessie Jones.

Carnations were shown in fine form by Wm. Nicholson, M. A. Patten, John Pritchard and others. D. Carmichael staged his two seedlings, Eleanor Ames and May Whitney; S. Fisher staged Saxon, a fine fringed scarlet; and C. S. Cooper received honorable mention for the Crawford. J. E. Coburn made a good display of pansies. Lager & Hurrell showed a group of specimen orchids and Ernst G. Asmus a vase of Liberty rose which received a silver medal. John Cook, of Baltimore, exhibited his new rose, Baltimore, and received honorable mention.

Brockton, Mass.

The annual flower show of the Brockton Gardeners' and Florists' Club was held at Canton Hall on November 1. Contributions of orchids and other plants from the Oakes Ames greenhouses, not for competition, added greatly to the general effect and the show altogether was a notable success. In chrysanthemums, James Garthley, F. McRae, C. W. Graham, John McFarland, and F. T. White were the principal prize winners. Of carnations there was an unusually good display, premiums going to L. J. Goddard, H. E. Barrows, F. T. White, C. S. Cooper and Duly Bros., and to C. S. Cooper a certificate for a new dark variety. John McFarland retained his lead on violets and the table-decoration prizes went first to H. E. Barrows and second to W. W. Hathaway, the mantel decorations by these parties also winning in the same order. C. S. Cooper was first on wreath, W. W. Hathaway first on basket and on bouquet.

Browallia Speciosa Major.

This recently introduced variety is a great acquisition to the list of spring market plants. The flowers are much larger than those of the old B. elata and several shades deeper in color. It flowers abundantly and being of free growth can be pinched back frequently and thus brought into any desired form. It propagates readily from cuttings, though probably more economically grown from seed, which can now be obtained from all up-to-date seedsmen. K.

Ericas About New York.

In the general revival of pot plant growing nothing will be more gratifying to the plantsman than the recognition being given to the heaths by our commercial growers. Old time gardeners have been heard to lament frequently the indifference with which these and other beautiful subjects of a like character have been treated and they have told us regretfully of the wonderful ericas and epacrises that the expert growers of a former generation used to produce and glory in. The impression has been deep seated that not only do these plants demand the care of expert specialists but that the right soil and congenial climate are also rarely found and it is not long since it was a commonly accepted theory that heaths could not be successfully grown for commercial purposes in the neighborhood of New York city. We are learning now that there is no foundation for this extreme view and we are indebted to Fremin, Dupuy, Schultheis, Darlington and others for showing their colleagues something of the grand possibilities with these plants without going outside the boundary lines of Greater New York.

Nicholson describes nearly one hundred and fifty species and varieties and makes reference to many other forms of the species enumerated. Besides these there are in continental catalogues frequent varieties not mentioned by Nicholson but as yet not more than a dozen kinds have been put upon this market in any appreciable quantity and when it comes to general use by the florists' trade only melanthera, persoluta and Wilmoreana can be mentioned. Now that the interest has been fully aroused, however, we shall undoubtedly see valuable additions made each year to the list of popular and useful commercial sorts for this market.

In buying heaths the novice will do well to confine his purchases to those that have set their buds. They are then as easily brought into bloom as azaleas are. Imported plants rarely do well and even with an experienced grower the percentage of loss from such is large. Heaths will not endure forcing. A low, even temperature is essential to their flowering, perfect drainage is an absolute necessity and nothing is more injurious to their existence than sudden changes and extremes of temperature. They are grown in pots plunged outdoors in the field or frame all summer and are left out as late as possible, being given an abundance of air night and day when in frames or houses. They will not set buds while in growth and if encouraged to grow beyond their regular season of flowering will not set buds till the following year. Some varieties will not bloom at one year old under any circumstances. Planting too close together or any deprivation of free air and light will result in bare stems and the beauty of the plant is then lost.

Erica melanthera, now well known because of its profuse pink tinted bloom and projecting black anthers, is the great Christmas variety and up to date the most popular kind yet introduced to this market. Perfect plants are feathered to the bottom with abundant bloom and without any young green growth at the tips of the branches. It is customary with growers to lift the pots from the bed about the middle of August, just to break the root growth and encourage the setting of buds early. If this is not done the blooming period will be somewhat later. They should be in the houses or well protected frames by this time, as the buds are now so far advanced that the seasonable cold snaps are risky. Plants with New York growers are this year better set with buds than ever before. With good weather a temperature of 40° will bring them into bloom for the holidays, but if continued cold and cloudy weather should intervene they may require as much as 55°. Four-inch stock of this variety cannot be depended upon to bloom.



BROWALLIA SPECIOSA MAJOR.

Persoluta alba and persoluta rosea are the popular Easter blooming heaths, which have been quite generally grown for cut flower purposes in many localities, especially in the neighborhood of Boston, for many years. The former sets buds more readily than the latter and large quantities of it are now grown in various sizes for the plant trade of New York. Growers leave it out as late as possible, October 20 being sufficiently early to protect it. The most approved plan is to plunge the pots in heated frames where they can remain till in flower. Too close crowding should be avoided.

Of the large tubular flowered species hyemalis and Wilmoreana are the better known. Wilmoreana is by far the best, its rosy pink and white flowers being larger and brighter colored than hyemalis, which also blooms too early in the fall to be a valuable florists' plant. One year old plants of Wilmoreana will not bloom this season. A new one in this section which made a tremendous sensation among New York florists last Easter was transluscens. It is of a peculiarly soft pure pink, a ready and profuse bloomer and strong grower, with grand spikes of bloom. Cupressiana is another splendid new one, almost as good as transluscens, bearing big globular flowers for Easter. Cavendishiana, the yellow heath, is a rather difficult subject but is so desirable that a large number are being grown. Many were lost during the past summer in spite of greatest care. They do best if kept in frames all winter. One year old plants do not bloom. Cerinthoides carnata is a fall bloomer with big scarlet tubular flowers at the apex of the branches but is not free enough to be desirable.

Gracilis is a tall bloomer, purplish pink in color, and in small sizes sells well for ferneries and small plant baskets. Gracilis vernalis is a corresponding spring bloomer. These are not desirable in large sizes because of bare stems. Perfecta rosea is a new mid-winter bloomer, a lovely Daybreak pink in color, and an acquisition on account of its pretty, feathery habit. Præstans blooms too early to be generally useful and Mediterranea is too dull colored to be desirable. A Christmas bloomer that promises well is regerminans. It is practically a Christmas flowering persoluta. It is offered here this season for the first time.

CHRYSANTHEMUMS.

CHRYSANTHEMUM SOCIETY COMMITTEES.

The committees judging seedling chrysanthemums will be in session each Saturday up to and including November 25. Exhibitors should make their entries, for which a fee of $2 is charged for each variety entered, to the secretary not later than Tuesday of the week they are to be shown. All exhibits forwarded to the following addresses, express charges prepaid, will receive careful consideration:

Boston, Mass., A. H. Fewkes, Horticultural Hall, Tremont street.

New York, N. Y., E. Dailledouze, care New York Cut Flower Co., 119 West Twenty-third street.

Philadelphia, Pa., A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O., A. Witterstaetter, care Cincinnati Cut Flower Co., Fourth and Walnut streets.

Chicago, Ill., C. W. Johnson, care Illinois Cut Flower Co., 51 Wabash avenue. ELMER D. SMITH, Sec'y.

WORK OF THE COMMITTEES.

New York.—Jas. Carstair, New Rochelle, N. Y., exhibited Souci, a bright yellow Japanese incurved, which scored commercial scale 90 points. John N. May, Summit, N. J., exhibited No. 2, a bronze Japanese incurved, which scored commercial scale 82 points. Name for No. 2 will be given later.

Boston.—G. P. Rawson, Elmira, N. Y., exhibited Zaza, a white Japanese variety which scored commercial scale 69, exhibition scale 68 points. John Marshall, Purchase, N. Y., exhibited Col. D. Appleton, a Japanese, incurved, yellow, which scored commercial scale 91, exhibition scale 93 points.

Philadelphia.—John N. May exhibited No. 10, a white Japanese, incurved variety which scored commercial scale 83 points. No. 2, by same exhibitor, scored commercial scale 88, exhibition scale 86 points. Wm. Paul Binder, Rider, Md., exhibited a light pink Japanese incurved variety named Admiral Schley, which scored both scales 86 points.

Chicago.—John Marshall exhibited Col.

D. Appleton, which scored commercial scale 95 points.

No report from Cincinnati.

ELMER D. SMITH, Sec'y.

SOME NEW VARIETIES.

Although not shown early Monrovia was fully developed before such early sorts as Marion Henderson, Harry A. Parr and Gloriosum. It is a Japanese, bright yellow in color, the petals being loosely arranged. It has a good stem well clothed with foliage and averages three feet in height when planted June 20. Nathan Smith & Son speak of it as one of the most promising of their new sorts.

The specimen blooms of Col. D. Appleton sent to the Chicago committee by John Marshall, Hill Crest Greenhouses, Purchase, N. Y., on November 4 were grand flowers, of fine finish and form and of great size; in fact the committee considered the variety one of the best seen in Chicago for a long time. The color, a deep yellow, is of a very even shade from top to bottom, with very little, if any, fading on the lower petals. While not quite up to the graceful outlines of Major Bonnaffon, it being an incurved Japanese shows good qualities for commercial purposes and betrays no sign of being weak in the stem.

Primo is a clear white Japanese variety originating with Grove P. Rawson, Elmira, N. Y., and was the first bloom certificated this season by the committees of the Chrysanthemum Society of America, scoring eighty-seven points at Boston on October 14. Not only is the variety very early but it is of good form and size, the perfect blooms averaging seven inches in diameter by five in depth. The originator claims that it can with ease be brought in during the first week of October.



CHRYSANTHEMUM COL. D. APPLETON.

The Importance of Plant Names.

The oft repeated maxim, "A rose under any other name would smell as sweet" is no doubt quite true; but it is not always a warrant for giving a rose any old name, although one would almost be led to think so, when reflecting on the many long-drawn-out and almost unpronounceable cognomens which have been applied to roses and other plants.

From a business standpoint many argue that this is of little importance; that given a good plant, it will sell, no matter what its name may be. While admitting this to a certain extent, there is still something to be said as to whether it given a more appropriate name it would not sell better. To say that a rose under any other name would smell as sweet is not synonymous with saying that a rose under any other name would sell as well.

It is that point especially which seems worthy of illustrating with a few instances, in order to impress on the minds of the raisers of new plants the importance of selecting appropriate names.

One of the most striking instances that comes to mind is the "Moonflower." When Peter Henderson selected that name for Ipomœa noctiflora, he made a ten-strike. The writer does not know how many he sold, but he does know that he made business not only for himself but for the whole horticultural trade. The writer was employed in Breck's Seed Store, in Boston, at that time, some fourteen or fifteen years ago, and well remembers customers bringing in Henderson's advertisements, cut out of the papers, and asking if they couldget these wonderful vines at Breck's. Many a dollar was earned in filling such wants in that store which would never have materialized if Peter Henderson hadn't struck a good name for a good old plant. I mention this because I believe what occured there happened in almost every other store all over the country.

Another of Henderson's happy thoughts was, "Ostrich Plume" for Mrs. Alpheus Hardy chrysanthemum. "White Plume" celery and "Snowball" cauliflower are other instances of appropriate names from the same source, and the list of this firm's first-class nomenclature might be greatly extended. One recent instance of where I think they are not so happy is in calling Caryopteris Mastacanthus, "Mustache Plant." Blanc's cognomen, "Blue spiræa" strikes me as much better and speaking of Blanc reminds me that this gentleman seems to have quite a genius for "taking" names. What could be better for instance than "Baby Primrose" for Primula Forbesi? Won't Mr. Blanc kindly give us one equally as good for Primula obconica? Obconica has improved under cultivation and is now larger and more florilerous than it was ten years ago. The objections to its use (its poisonous qualities to those who handled it) were greatly exaggerated and prevented the extended use of a fine plant either for cutting or pots.

I have communicated with some of the leading catalogue houses in the trade on this subject of nomenclature, and take pleasure in jotting down some of the interesting ideas put forward.

Peter Henderson & Co. think that an appropriate name will help to introduce an article and effect sales for it more rapidly for the first year or two than if it were offered under an inappropriate name, but that no name, however good, would avail after the article was once introduced. Then it would stand upon merit alone and it makes little difference what the name is.

W. Atlee Burpee & Co., while preferring descriptive names such as, "Silver Spray" and "Daybreak," think there are some cases where a name after a person is preferable, and quote as an instance, the "Lawson" carnation. They think, however, that the name has a great deal to do with the sale of a variety upon its first introduction. They give the "Burpee Bush Lima," "Cupid" sweet peas and "Stringless Green Pod" bean as instances

of good descriptive names. The latter, although rather long, is certainly preferable to such a name as "Valentine." Among other names which they believe have been very appropriate for introductions of their own are, "Sunshine," "Fordhook Tricolor" and "Fordhook Fancy" balsams; "Modesty," "Oriental," "Brilliant," "Gorgeous," "Navy Blue" and "Earliest of All" sweet peas. "Fordhook First" and "Combination" tomatoes; "Surehead" and "All Head Early" cabbage.

Wm. Henry Maule is a firm believer that an appropriate name for a new variety which embodies its principal characteristics is of great benefit in its sale. He has known instances where two equally good varieties were put on the market, and the one with the best name distanced the other one completely in the matter of sales. Mr. Maule did not care to be quoted in the way of giving instances. Such achievements he claimed had been gained by experiments at the cost of a good deal of money, and should not be given away for nothing.

John Lewis Childs thinks that in order to be able to give an appropriate name to a plant, one should be familiar with it, and know its merits fully, and, of course, a good, appropriate and "taking" name adds much to the selling qualities of any novelty. Mr. Childs professes not to know what are the proper governing principles in the choosing of a name. I suppose he does it by instinct, or rule of thumb. Perhaps he has studied the subject deeper than he thinks. At all events, he has sent out some good novelties under appropriate names which have been undoubtedly helpful in selling them.

Johnson & Stokes are somewhat of the attitude of Mr. Childs. They state that they have no set rule for naming novelties, having generally given them a name just as it occurred. They think, however, that the name often adds very greatly to the sale of a novelty and, I presume, will be interested in hearing how much importance some of their confreres in the trade put on this question.

James M. Thorburn & Co. name most of their introductions on the descriptive principle, although they have never given the matter much analytical consideration. They heartily approve of short descriptive names, such as "Silver Spray" and "Daybreak," but cannot say that they have been equally successful in their own selections, judging by the way their brothers in the trade have often showed their disapproval by renaming Thorburn introductions in accordance with their own ideas. Messrs. Thorburn think it would be a capital idea to carry this inquiry into the subject of renaming the new introductions. I have do doubt some interesting things might be learned on that subject also; although they might not be quite so agreeable. In fact it is too large an order for me. I much prefer dallying by the "primrose path" to groping along the "ways that are dark" and searching for "the tricks that are vain." To be frank, I believe more good can be accomplished by looking for something to commend, and I can honestly say I have learned of but little renaming to my own knowledge but a great deal of hearsay.

Robert Scott & Son think that if at all possible, the name of a flower should describe it, and that it should be given a "taking" popular name They do not claim, however, to be so well posted on this subject, not having made many introductions of their own. The most "taking" novelty they ever had in catalogue work was "White Swan" geranium, and in that case, the French name, "Cygne" was simply translated from the French into English. They think "Liberty" is an appropriate name and also a "taking" name for the rose which Mr. Asmus and themselves will introduce next year. This is where Mr. Scott gets in his fine work. He could no more resist putting in that sentence about "Liberty" than he can resist giving everyone a smiling welcome when they come to see that remarkable rose.

D. M. Ferry & Co. do not consider it an easy matter to lay down in black and white what should be the basis for good nomenclature, but off hand they would say their preference lay in the direction of names euphonious, descriptive and short.

J. C. Vaughan, whom I buttonholed in Philadelphia near the spot where Franklin flew his kite, gave his ideas freely while the crashing of drags and clanging of car gongs made his words hard to hear, yet I hardly think I missed the sense. He has no doubt that an appropriate name has a good deal to do with the sale of a plant. "Happy Thought" and "New Life" geraniums, in his opinion, while being good things in themselves, owed much of their popularity to their pleasant, easily remembered names, even though these were not descriptive in their nature. Another instance which is somewhat descriptive and a very happy name is the "Bride" for the white rose of that name. "Meteor" and "Sunset" roses are also good descriptive names, short, easily remembered, and very appropriate. Mr. Vaughan thinks that the naming of plants after localities is not to be commended. "Bridgeport Drumhead" cabbage is simply a name and conveys no meaning to anyone until he once knows the variety. "Osage" and "Rocky Ford" muskmelons, and names of that nature are all liable to this objection. "Black Diamond" is a pretty good name for a watermelon with a dark skin. "Jumbo" is good, but indicates only size. "Green and Gold" is also a good name for a watermelon giving a suggestion of uniqueness, and no doubt influencing the sale of the variety very much. A title like "Red Indian" for a red canna is much better than a title like "Victory." Mr. Vaughan thinks also that such a word as "Mandarin" for a red canna is good. To my mind the title of "Mandarin" would suggest yellow.

Mr. Vaughan instanced W. P. Simmons, the introducer of "Daybreak" as one of the happiest of introducers in selecting names. This is what Mr. Simmons has to say about naming new varieties: "The name of a plant should first describe it, and second, it should



CHRYSANTHEMUM MONROVIA.

always be short." Mr. Simmons considers that the name is very essential in selling a plant, and the shorter the better.

One of the best thoughts on the subject is that of E. G. Hill & Co. Their idea of the matter is so much to the point that I will give same verbatim: "E. G. H. is away from home;but you are right in judging that he is a firm believer in a catchy, descriptive name; first it must be short; second, descriptive, or at least appropriate; simple as to spelling and pronunciation. If a seedling is extraordinarily good, he is very willing to have the family name go on it, although he is not an admirer of family names by any means. With the general public, a catchy, descriptive name goes a long way, and in a retail catalogue—other things being at all equal—it influences sales. With the trade it does not cut a very large figure, for a novelty, demonstrated to be first-class, and exhibited at the various shows, would carry a five story French name easily, and soon cut it down to one syllable for everyday use! In our catalogue days the "Storm King" fuchsia met with an enormous sale, while "Frau Emma Topfer," afterwards decided to be identical, sold in very moderate quantities, though both were finely illustrated. However, Childs was handling it under the former name, which doubtless had very much to do with it. Even with the dictionary to select from, good names are hard to select."

The above reference to "Storm King" fuchsia reminds us of one of the things wherein Mr. Childs showed his quick intuition of what would be a "taking" popular name for a white fuchsia, instead of the hard to pronounce, "Frau Emma Topfer." It is hard to believe that Mr. Childs' claim that he has never given the matter any consideration can possibly be sincere. But perhaps he is like Mr. Maule, playing 'possum. While regretting that these two gentlemen cannot see their way clear to tell us all about it, it would be unfair to blame them for being reticent on a subject of so great importance to them in the successful running of their individual businesses.

My own ideas of what appropriate naming should consist of may be best given by a few instances which I have selected from introductions of the past season. They are as follows:

"Anemone" for a single white dahlia, resembling the well known Anemone Japonica alba.

"Iridescent" for a cactus dahlia, orange overlaid with red and suffused with pink, giving a soft yet brilliant red effect with a blue reflex.

"Apple Blossoms," a double dahlia opening deep red-pink and carmine early in the season, and growing gradually lighter until the season advances and finally becoming pure white.

"Navy Blue," a sweet pea with royal purple standards and violet purple wings —the general color effect being a rich navy blue.

"Oriental," a rich orange salmon sweet pea; the shade that would naturally be suggested to most minds by the title.

"Klondyke" for the new early flowering yellow cosmos. The two latter names are happy exceptions to the usual objections for naming varieties after localities.

"White Ostrich Feather" for a new white aster of the comet type, with wavy twisted petals. The only objection to this name is its length.

"Honor Bright" for a bright red tomato—although not descriptive in the proper sense, the name is attractive and would make a favorable first impression, as in the case of "Happy Thought" geranium.

"Emerald" for a cucumber of a rich dark green during the entire period of its growth, its strongest characteristic being its evergreen character.

To sum the matter up, from all the opinions given it would appear that names of persons and localities are usually undesirable and that the principles that should guide us in naming are euphony, descriptiveness and brevity, each of them of almost equal importance, but perhaps descriptiveness first, brevity second and euphony last.

G. C. WATSON.



CHRYSANTHEMUM PRIMO.

Have Cut Flower Growers Over-Built?

Not long ago I was talking with a Chicago retailer who has a range of greenhouses and the conversation turned to the subject of over-production. Is it true that we have an over-production? Sometimes I think it is and at other times I, like the rest when stock is a little scarce, which seldom seems to be the case of late, think differently. One thing is certain, however; if you travel through the country, you find in every little hamlet one or two good ranges of glass and it is surprising where all the flowers go.

Years ago Chicago was the only western city where the buyer was safe in placing an order; to-day he can call up on the long distance telephone, a dozen towns near him and in most cases get what he wants. Still, with all, Chicago is a great market, but the question at hand is: Are there too many flowers grown for the best interests of the trade? I personally believe there are and the only way out of it is for the grower to stop building for a time, until demand catches up with the supply.

Stop and think; figure things out; are you making money? One must not think that, if he has a few hundred dollars in the bank, all he has to do is to throw up a few more houses and at the end of another season the hundreds will be thousands. If that was the case he would be making money. They say figures do not lie; in the florist business I don't know about that; let us figure it out. Start for example with a land value of $3,000; 30,000 feet of glass will

not cost less than $8,000; then tools, and sundry items will reach $1,000, making the total invested at least $12,000. Coal, help, water, interest on the money invested, wear and tear, taxes and your own labor must be counted. I never ran a greenhouse so I cannot give figures, but you can figure it out for yourself. The important point is that you must not forget that each ten or twelve years the place is not worth 20 cents on the dollar. As I have said, if you have a few hundreds "to the good" it does not prove that you are making money.

If you are wise you will stop building and keep what glass you have in first-class shape, try to produce the very best grade of stock and let the trade catch up. It is growing daily but hardly as fast as the glass. Success in trade comes from knowing what you are about, not from what seems all right; you must really know. Therefore there is but one way; keep books and see for yourself just what it costs to produce the stock and above all don't forget to count in your own labor, for that, as a rule, is worth more than what you have to pay for the best man on the place. Don't bank on the old saying that the world owes every man a living, but put yourself in the figures as an expense and see where you come out. If you have some money left at the end of the year hold on to it and let the other fellow do the building if he must. Wait till the time is ripe, then cover up a few blocks square and be in it. But just at present it looks as if there was just a few more greenhouses than are needed to cover the demand. E. E. PIESER.

CARNATIONS.

CULTURAL NOTES.

November 11.—To name a certain day of the month, or even a certain month in which to begin feeding carnations would not always hit the mark. Every grower who watches his plants carefully can tell for himself when they need stimulation and when they will respond most quickly to it. Taking the cut flower product into consideration, there are few plants which will not be benefited by additional fertilizers applied about this time. I have always contended, however, that plants intended for propagation should not be too highly fertilized, but simply kept growing along, naturally and healthily. According to this idea the man who intends propagating his own stock should set aside a portion of his plants for that purpose and not stimulate them so highly as that portion intended for cut flowers only. There are, however, many good growers who contend that the best cuttings are taken from highly fed plants. This saves all the trouble of having two sets of plants.

In considering the best material for this extra stimulation, there are several things to be taken into consideration. The most important of these is the nitrifying organisms that convert the plant foods in the soil into available matter for the plants' use. Some of us are inclined to be a bit skeptical about the practicability of the work done by the experiment stations, but all of us who have given the matter any consideration must admit that they are correct in their statements relating to these nitrifying organisms in the soil and their work in the preparation of that soil for plant food. Nitrogen is a very important article of food for our carnation plants and these organisms are especially useful in converting the nitrogen contained in our soil into available food for our plants. It therefore behooves us to cultivate these nitrifying organisms and have a goodly number of them in our soil.

As a rule the richer the soil and the more fully cultivated it is, the greater the number of these organisms and the higher their degree of vitality. In decomposed stable manure they are particularly numerous and vigorous. It is owing to this fact that such manure will produce fertilizing results far in excess of what could be expected from the quantity of plant food that an analysis shows it to contain.

Mr. Johnson, a few weeks ago, told us how to use this material on indoor-grown carnations, and the same rule applies to those planted in from the field. The manure should be run through a coarse sieve so as to handle nicely. Care should be used not to have it too close around the stem of the plant as it would be liable to induce stem rot. It can be applied



ROSE IN INDIVIDUAL FLOWER VASE.

quite liberally between the rows and if the plants have plenty of room in the row it can also be put between the plants in the row.

If properly applied it will serve two purposes, that of a fertilizer and that of a mulch, and in the latter case will save you considerable in watering, but add to the necessity of careful watching to see that it is done properly. Too much or too little water will, in addition to the direct injury to the plants, cause the death of numbers of these nitrifying organisms and thus reduce the fertility of your soil.

Care should also be exercised with the first few waterings, or until the manure gets well settled into place, so that it is not washed all over the bed or bench and around the stems of your plants. The best plan is to turn your hydrant or spigot open just enough to allow a very moderate force on the water and in addition to this use a flat-topped rose for the first few waterings. In using this rose do not water all over the plants but carefully between the rows and do it early in the day so that what water does get on the plants will have a chance to dry off thoroughly before nightfall.

ALBERT M. HERR.

HARLAN P. KELSEY says the outlook for spring is the brightest in several years.

Individual Flower Vase.

This handy trifle has proved very useful to us in decorative work. We have it made in two sizes; the larger, shown in the illustration, is one-half inch in diameter and four inches in length, the smaller being three-eighths of an inch in width and three or four inches long. The rubber cap fits tightly and seals the vase effectively, no matter in what position it is placed when in use. In the center of the cap is a small hole that will scarcely admit an ordinary pin without expanding, yet by a slight pressure any flower with a woody or stiff stem can be introduced, the rubber holding it in place. The vases are filled and the rubber caps fitted under the surface of the water, where they slip on very easily. The flower is then very readily pushed in, after which they are as one piece.

There are a great many uses to which these vases can be put, the accompanying illustration of a floral tree showing one. This tree contained 500 short American Beauties, making a very effective and novel decoration, as it extends over the heads of the guests on all sides. By the use of this vase the flowers were kept fresh from six to eight hours in a warm room. The vases do not show to any extent, the foliage of the roses covering them.

For dinner table arrangements, where the blossoms are sprayed on the cloth, the narrow, clear glass vases are easily hidden by the foliage of the flowers or accompanying greens and the fresh beauty of the decorations lasts throughout the entertainment.

For garnishing a bank of green or for use over doorways or arches in lofty rooms, where the heat causes flowers to wilt rapidly, the vases will be found to be invaluable, also in curtain decorations of light greens, anywhere in fact where flowers are used separately they add hours to their life and beauty.

The device will be found useful, as well, in mantel and basket work, as they are readily placed in soft soil and the moss of baskets. We find that a vase without a cap, holding four or five sprays of lily of the valley or other flowers adds considerably to a plant basket when it is inconvenient to disturb it to crowd in something with roots. The spray of flowers on the handle also lasts much longer when the vases are used. A rubber cap with a larger opening readily admits and holds orchids, such as cattleyas, and other soft and thick-stemmed flowers. For a window display with curtains of asparagus or on tree stumps and branches, they hold and keep the flower better than it can be kept in any other way. K.

Two Fine Cannas.

We grew about thirty varieties of cannas this summer, of which Mrs. Robert McKeand and Franz Buchner made by far the best showing. The former is a variety raised by Robert McKeand, florist at Garfield Park, Indianapolis, and is without question one of the most showy bedding varieties I have seen. It is also well adapted for pot culture on account of its dwarf and free flowering habit. The color of the flower is hard to describe, being a dark, deep orange in the center, with a broad light yellow band, making it very attractive. The flowers are thrown well above the foliage. Franz Buchner is almost identical with Mrs. McKeand except in color, which is very much darker, somewhat on the dark

orange order, or orange-red. There are several beautiful cannas but none which have attracted so much attention on my place as these two. Alemannia has also shown up in fine form this year and we still consider old Egandale the best dark leaved variety. E. G. Hill was one of the most showy solid red varieties we had. President Cleveland is also a fine tall grower W. W. C.

WITH THE GROWERS.

IN SPRINGFIELD, OHIO.

One must search afar to find a city of 40,000 people a larger proportion of whom are identified with floriculture than is the case at Springfield, Ohio. To this city the Florists' Directory credits twenty-seven horticultural firms and of this number several are among the largest in the country. This is an opportune moment for placing the eye of the trade upon them for the fact that the past season has seen a number of additions to the establishments and at the present all are enjoying an unprecedented prosperity.

The Good & Reese Company now has over four acres under glass, a range of eight splendid houses 20x120 having been put up during the summer. These houses are up-to-the-minute. They are built without partition walls and very little wood, except sash bars, was employed. The benches are practically indestructible. This firm makes its boast that it is the largest grower of roses in the world and it has a wonderful mail trade, the postage bill averaging $100 a day. There are thirty-five houses of roses now on the place, 2,000,000 in pots and 500,000 still in the cutting benches. There are also upwards of 100,000 two-year plants ready for shipment. The most approved cultural methods are employed and so carefully is the shipping done that last winter only three lots were lost by freezing. The Good & Reese Company is a large buyer from the leading horticultural firms of both this country and Europe. Last year they imported about $25,000 worth of stock from Holland and Belgium. The office force is sixty people. In the greenhouse department there are 125 growers employed.

It was a quarter of a century ago that McGregor Brothers embarked in the florist business, the firm then consisting, as at present, of Frank and David McGregor. At first they did a local business but some eighteen years ago they branched into wholesaling and the mail trade, and abandoned the local trade. The past season they did the greatest volume of business on their record, but they expect it to be eclipsed the coming year. Their plant consists of thirty-six houses, large and commodious packing houses, and a new office building. The entire business is carried on under the direct personal supervision of the proprietors, who are assisted by David McGregor's son, Roy McGregor, and Frank McGregor's three sons Messrs. Robert, Allan and Harold McGregor. This firm grows immense quantities of roses, bedding and stove plants, and make palms and ficus a specialty. They report a tendency in the trade toward ornamental foliage plants in preference to flowering plants for home adornment. This establishment is one of the principal sources of supply for the catalogue men and can be classed among the solid old houses of the country.

Schmidt & Botley are erecting four structures as an addition to their present range of eleven houses 20x100. The history of this concern embraces only five years but in that time they have made a no inconsiderable impression on the trade. They have built every year, this season putting up a modern, two-story packing house, as well as the four houses now under way, and adding another forty horse-power boiler. They do careful growing and still more careful packing and their mail trade is far reaching. They use 2100 square feet of space for the propagation of roses and grow more chrysanthemums than any concern in the vicinity, keeping their list right up-to-date. They also have a big stock of bedding plants and decorative stock. Last year they introduced a dwarf lemon named American Wonder which makes a handsome plant for a jardiniere, a distinct species, its most novel feature the production of edible fruit of immense size under ordinary cultivation. A line of vegetable and flower seeds in also carried by Schmidt & Botley, a building for this department having been added last year. They handle large quantities of bulbs, imported direct from Holland growers.

The George H. Mellen Company purchased the Innisfallen Greenhouses of C. A. Reeser in 1894 and have since doubled the business. A range of new houses is now going up and will give much needed room Roses are a specialty here, as many as 800,000 plants having been sold the past season. No cut flowers are produced. Geo. H. Mellen is the general manager and thirty men are employed. The company has one customer in China to whom shipments are made annually by mail, arriving in five weeks. This establishment has the unique distinction of supporting a brass band composed of its employes. Frank Goe is the leader.

The John A. Doyle Co., composed of three brothers, John A., Bartholomew and Daniel, has grown in eight years to occupy fourteen houses and do a large business. Two houses were erected during the past season. Nine houses are devoted to roses, of which 500,000 plants were sold this year, and the remainder of the place is given to carnations, geraniums, begonias, primroses, palms, ferns and miscellaneous stock. The place is heated by hot water from three boilers under which natural gas is used as fuel.

Other good growers in Springfield who have large ranges of glass are P. J. Agnew, A. R. Aldrich, Fairview Floral Co., F. A. McBeth, J. T. Maxwell, C. T. Reese, G. C. Roderick, T. F. Stelzig and and J. W. Yates.



FLORAL TREE OF SHORT AMERICAN BEAUTY ROSES MADE POSSIBLE BY USE OF INDIVIDUAL FLOWER VASE.

The Gruss an Teplitz Rose.

This rose was originated by J. Geschwind and bought and introduced by P. Lambert. It should have the

attention of all rose growers for it is one of the healthiest and most profuse blooming roses, besides being of elegant habit. Its color is a conspicuous brilliant carmine red about like Victor Hugo. The foliage, which is a dark bronzy red and very luxuriant, is free from disease and attracts attention amongst all other roses. It commences rather late to bloom but continues until frost. It will become an indispensable rose for propagating and cutting. It is now being propagated in America and kept tremendously secret. The few florists who know it at present do not tell its name so that we have even received pieces of cloth of the color of the flowers in order to determine the name and we have also received buds and twigs for the same purpose.—*Rosen-Zeitung.*

Autumn Work Among Herbaceous Plants.

Hardy perennials have at last found their deserved recognition. Their popularity is largely due to the readiness with which they adapt themselves to every ordinary garden soil and the simplicity of their treatment; but little labor and care need be put upon them and a judicious selection insures a continuous show of gay and interesting flowers from earliest spring until the snow flies. The cut flower growers have also found that a great many of the species are exceedingly useful for their purposes and therefore cultivate some of them in large quantities with success and profit.

Where mixed borders of hardy varieties were planted some years ago, many of them may now need dividing and replanting. This operation may still be performed in many instances if done in a careful manner, though September or October are preferable. When taking up an overgrown clump, a portion of which is to be replanted in the same position, we should in all cases loosen the soil deeply and mix in an ample supply of thoroughly decayed fertilizer, for we must bear in mind that the plant will have to remain for some years and that all of the strong growing perennials are gross feeders. In other cases it may be desirable to remodel or rearrange a border, some mistakes in first planting may have to be remedied, or frequently it may happen that the color of flowers, shape of foliage or the general appearance and habit of plants near each other are not in harmony. Perhaps then it would be advisable to take up the whole plantation, with a ball of earth adhering to each clump if possible, and rearrange the plants according to our fancy, paying attention to their average height, habit of growth and other characteristics.

We should always fork the border very deeply, fertilize lavishly and break up all lumps. When we are ready for planting the holes to receive the balls should be dug large enough to easily admit all the small fiberous roots. Of course the plants in most instances would live without these precautions, but they will repay a little extra care by an abundance of more perfect bloom during the following season. Plant all entirely dormant species, such as the dodocatheons, euphorbias, asclepias, eremuruses, uvularias, arums and trilliums, with their crowns well below the surface; the evergreen section and all hardy things with a sub-shrubby habit may be planted about even with the ground.

All new plantations, the early ones, which are now perhaps semi-established, as well as the later ones, require some sort of a protection on the approach of hard winter, usually not before the middle of December. The smaller plants are more liable to injury by heaving out, as we call it, than are the larger clumps which were planted with more or less earth adhering to the roots. We should be careful to completely shade or mulch the surrounding ground close up to the stems or crowns. The dwarfer, evergreen species, such as arenarias, erysimums, arabises and the like, shade their own stems; often the leaves and dense branchlets protect the whole ball. If the plants are of fair size and planted rather closely only a very slight covering is necessary.

Where there is a reserve ground, a place where plants are grown to replenish other plantations, division into rather small pieces is often resorted to so as to have plenty of stock on hand to select from. In commercial establishments, also, it is a common practice to divide into single crowns. Here a protection is needed, surely, else one may run the risk of losing a large percentage of the young stock. Yet vigorous, healthy, well established plants in bed or border, for instance, irises, antheriums, aquilegias, inulas, eryngiums, heleniums, orobuses,



ADJUSTABLE GLASS OR VASE HOLDER IN USE AND READY FOR USE.

hemerocallises, epimediums, gaillardias, coreopsis, doronicums, delphiniums, dictamnuses, spiræas, astilbes, bocconias, veronicas, saponarias, rudbeckias and a host of others too numerous to mention, seldom need protection of any description, while plants of moderate growth, especially that class which forms but few offsets and underground runners, are usually benefited by a covering.

Dense mats of dwarf evergreen plants, like the erysimums, the various species of dianthus, aubrietias, iberis, arenaria, sagina, helianthemum, Daphne cneorum, the moss pinks, Alyssum serpyllifolium and A. alpestre, arabis, armeria, erinus, draba, several of the dense growing campanulas, including such as C. turbinata, C. Carpathica or, C. garganica, etc., the cerastiums, sedums and others are better left fully exposed to sun, wind and weather, except on steep banks with a southern or western exposure. Here the winter's sun, not the cold, would burn their foliage, so cheerful to look at in midwinter, and a slight shading or screening is absolutely necessary in such a position.

There are quite a number of things which really do require some sort of protection from drying winds and bright sun, anything which does not entirely exclude air and light, unless they happen to be planted in a cozy corner or on a northern slope. Among these we may mention many of the primulas, some of the pentstemons, several salvias, Senecio pulcher, tricyrtis, ononis, a few of the lychnis and œnothera species, leontopodiums, eremuruses, hedysarum, arnebias, heuchera and others. Yet in sections where snow is abundant and likely to remain on the ground until March or April, nearly all covering may be dispensed with and never cover very thickly. A few half hardy specimens may require a generous covering, but these are rarely found in an ordinary garden and where they are grown, their special requirements are understood.

We may increase the stock of all the evergreen plants by cuttings taken from the plants at any time during the fall and winter months, even if we dig them out from under the snow. Others may be increased by root cuttings; that is, pieces of the roots about an inch long are dibbled in a box or pan, right end just even with the top of the soil, and dormant, invisible eyes will soon swell and sprout into healthy growth if the boxes are placed in an ordinary cool greenhouse. All plants which form underground runners can be propagated by cutting up these wiry runners into short lengths, which, after being planted in boxes, will send out roots and sprout into growth. Winter is also a good time to sow seed of many perennials, especially advisable for the slow-growing, dwarfer species which can be advanced and grown on under glass quicker than by spring sowing in frames or open ground. Often we can thus induce plants to flower freely the first year, while otherwise two years would be required to develop them into strong flowering specimens.

J. B. KELLER.

Ajustable Glass or Vase Holder.

This handy appliance should appeal to all decorators. The spring holder, into which the receptacle is placed, will support a glass two to two and a half inches in diameter and as long as required. We use a glass, which is the one in the cut, one and three-quarter inches at bottom, two and one-eighth at top and three and seven-eighths long; it is commonly carried in stock by nearly all dealers in such goods. Many similar devices have been used in which the holders consisted of a wire ring soldered onto the rod or support. This admitted only of a certain sized glass, had no spring to grasp the same, was stationary,

on the rod and when it was necessary to bend the appliance about a mirror or use it in any other than a perpendicular position the glasses would tip over and spill the water. This device consists of a flat spring metal clasp which almost encircles the glass. In the middle at the back it is riveted to a metal clip; in each end of the clip is a hole, which when brought in line by pressure of the finger and thumb, fit on the rod and will slide to any place desired. When the pressure is removed the spring expands and, gripping the rod, holds fast. As they are adjustable as many as are desired can be used; they can be placed all in a line in front of the rod, or to the right and left alternately. When it is desired to curve the rod, the clip is given a twist on the rivet and remains straight with the rod at any angle.

The decorated mirrow in the illustration is arranged with the aid of one of these devices three feet long holding six glasses, with two ordinary rose bowls on small shelves on either side of the mirror at the bottom. The mirror, four feet high by thirty inches wide, is one of two in the center of one side of our store fixtures. We try to have these decorated more or less elaborately each day from stock on hand, as it is but a few minutes work to arrange them. They will look nicely for two days and sometimes have stood three with a little addition. For displaying orchids, lily of the valley, hyacinths, violets and other flowers in the window we have found the vase holder very useful. The rods we use are three and four feet long, on which we usually place the glasses six inches apart. All metal parts are nickel plated and present at all times a bright, fresh appearance. K.



ADJUSTABLE GLASS OR VASE HOLDER IN USE.

New York.

STATE OF THE MARKET.—VIOLET SUPPLY SUFFERS SUDDEN INTERRUPTION.—THE SAME OLD STORY.—MATTERS IN GENERAL SATISFACTORY.—CYPRIPEDIUM GROWERS GET TOGETHER.—CLEARY'S SUCCESSFUL SALES.—NEW CONSERVATORIES AT CENTRAL PARK.—JOTTINGS OF VARIOUS INTEREST.—VISITORS.

The only ruffle in the flower trade discernible this week is the sudden interruption of the violet supply. This happens regularly each year a week or so in advance of the horse show, which is regarded as an opportune time for putting up the prices. Last year it did not work as anticipated but, on the contrary, got the buyers prejudiced against the violet so fiercely that the poor flower never recovered from it all winter. What the story this time will be is not apparent yet, but it is reasonable to assume that the long period of warm, sunny weather has been more conducive to growth than to blooming of violets and it is probable that the quantity of flowers in shape to come on during the next two weeks is greatly reduced in consequence. If this should be the case, prices will be maintained better than was possible last year with the tremendous avalanche piled upon the wholesalers all at once. The general tone of the flower market here is decidedly unsatisfactory. The demand seems very light, nobody but the Greeks showing a disposition to buy in quantity and they, as usual, are unwilling to pay anything for the stock. They have been very useful, however, in unloading the heavy receipts since the middle of October and conditions would be worse than they are, without them.

It is said that the cypripedium growers have got together on prices for the coming season and have fixed upon 12½ cents a bloom as the minimum price at wholesale. The maintenance of this figure is dependent upon the rigid adherence to the scale by every grower concerned and it is safe to say that a sharp watch will be posted to watch the comers during the time of heavy crop, especially if the retailers should decide to take a hand in the matter.

Cleary & Co.'s sale of Japanese plants was an unqualified success, the plants bringing much better figures than at any of the up-town sales and it is likely that more of these goods will hereafter be entrusted to the horticultural auctioneers than hitherto. One grand Chabo Hiba brought $700. Cleary will sell Holland roses next week.

The nine new conservatories at One Hundred and Sixth street, in Central Park, were opened to the public for the first time on November 2 and will be open daily hereafter from 10 a. m. to 4 p. m. They are all filled with plants and make a good impression.

Mr. Van der Straeten, who represented the Belgian horticultural interests at the Philadelphia Export Exposition, sailed for home on the American liner on Wednesday, November 8.

A portion of the plants at the Trauth Co.'s establishment in Flatbush were sold at auction on November 9 to satisfy a judgment. Cleary & Co. were the auctioneers.

The local Democratic leaders are said to have adopted the red carnation as the party emblem for campaign purposes.

Visitors in town: Mrs. W. Ellison, St. Louis; Wm. Swayne, Kennett Square, Pa.; F. R. Mathison, Waltham, Mass.; P. Welch, Boston; Wm. Nicholson, Framingham; W. H. Elliott, Brighton; M. A. Patten, Tewkesbury, Mass.

Philadelphia.

STATE OF TRADE.—LITTLE OF INTEREST TO NOTE.—A QUESTION OF POLICY IN THE MATTER OF LILY OF THE VALLEY.—PENNOCK BROS. HAVE AN OPENING.

The volume of business is nothing to brag about just at present. There are plenty of flowers of all sorts, especially chrysanthemums, and it keeps the store boys busy keeping the growers' peddlers

in line in the morning, dodging the commission peddlers the balance of the day and between times taking care of the stock and what few customers happen to come in. Prices are about as last week; $4 is about high for the best teas, although a few extras are bringing $5. Beauties range from $1 to $3 per dozen; carnations 75 cents to $1.50; violets 50 cents to 75 cents. Lily of the valley a couple of weeks ago could hardly be had at any price, yet it has been sold on the street the past week at 25 cents the bunch of twenty-five sprays and very fair stock. It seems to us that this is very poor judgment on somebody's part. Better ship it back to the consignor than break the market and cheapen this beautiful and high priced flower in this way.

Pennock Bros. had an opening the past week, inviting their customers and the public to view their greatly improved and almost new store. Messrs. Lidden Pennock and A. B. Cartledge, the new firm, since they have taken charge, have been adding one improvement after another until now it seems almost impossible to do anything further and the store stands one of the most complete in the country. For the opening it was especially decorated with choice specimen plants, palms and ferns, together with a lot of orchids cut and on the plants. The display was arranged with great taste: from the front window to the rear of the greenhouse there was a grand show, which reflected much credit to the ambitious proprietors. K.

Boston.

ANNUAL OUTING AT WABAN.—STORY OF THE LEADING SOCIETY EVENT OF THE YEAR.—SOME VERY GOOD STOCK.—GARDEN COMMITTEE MAKES A PILGRIMAGE TO WELLESLEY.—FINE SIGHTS AT MRS. CHENEY'S.—GREAT QUANTITIES OF STOCK IN THE MARKET.—DEPLORABLE CONDITION DUE TO THE UNUSUAL WEATHER.—GARDENER'S CLUB ELECTS OFFICERS.—NOTES AND COMMENT.—VISITORS.

The annual visit to the Waban Rose Conservatories, which has now grown to be one of the chief social horticultural events of the year, took place on Thursday, November 2, about fifty gentlemen participating. The extensive range of greenhouses was inspected with pleasure and interest by the visitors, under the escort of Mr. Wood, Mr. Montgomery and Mr. Montgomery, Jr. One new house 300 feet in length has been added since our visit one year ago, and is filled with American Beauty, under the supervision of Mr. Montgomery, Jr. As with every other house on the place it is in perfect shape, each individual leaf as perfect as if it was the only care in the house and a microscope could not find a speck of black spot. The chrysanthemum houses were the principal objects of interest. Notwithstanding the rather novel arguments sometimes advanced to the effect that the weather has no influence in hastening or retarding the blooming of the chrysanthemum, evidence was not wanting that the entire collection here is considerably in advance of the usual blooming time and the recent spell of warm weather was accepted without question as the cause. Omitting the older and well known standard varieties, a list of the most impressive sorts seen would include Yellow Fellow, Golden Gate, Regina, James Bidencope, Mons. C. de Leete, Wm. Chadwick, Peter Kay (syn. Jeannie Falconer) Rustique, Autumn Glory, Master Tucker, Hooper Pearson, Mrs. Chas. Keyser, Kate Brownhead, Mrs. J. W. Lewis, Mrs. Trainor L. Park, Lord Kromer and H. T. Jones. The latter was greatly admired for its glowing crimson color; it is, however, too early a bloomer to show up well at the usual exhibition dates. Of the Yellow Mrs. Jones, Mr. Montgomery has all three and can detect no difference between them. Mrs. Trainor Park was propagated late and the terminal bud left, with the result that the flowers are much finer than those shown by the introducer, Mr. Asmus, last year. The inspection completed, each guest was invited to sign the register and then a group photograph was taken, after which the party was conveyed to Woodland Park Hotel, at Auburndale, where a fine banquet was served and a most enjoyable time spent. Mr. Wood impressed P. Welch into service as toastmaster and most of the gentlemen present were called upon to speak. Among the visitors from a distance were A. S. Burns, Julius Roehrs, W. H. Siebrecht, W. S. Allen and Paul Dailledouze, New York; J. N. May, Summit, N. J.; Wm. Appleton, Providence, R. I., and Joseph Fuller, Leominster. The New York gentlemen severally acknowledged that they had this day seen the finest roses in America and the theme of every speaker's remarks was joint congratulation of Mr. Wood and Mr. Montgomery and praise for the establishment which they had by their united efforts developed. Warren Ewell kept the company in high spirits by his frequent bursts of spontaneous oratory and Lawrence Cotter pronounced the benediction, calling for three cheers for the president-elect of the S. A. F.

The Garden Committee of the Massachusetts Horticultural Society visited the greenhouses of Mrs. B. P. Cheney, at Wellesley, on Friday, November 3, on special invitation to view the chrysanthemums about to be exhibited at Horticultural Hall. This vast estate, under the management of John Barr, is regarded as a model one. Nature has done much for it, with hill and valley, woods and river and grand old elm trees and Mr. Barr has accentuated its natural beauty with the skill of an expert. There are thirty acres of level lawn, reputed the best in this section, and the neatness and order prevailing everywhere prepare the visitor so that he feels no surprise at the evidences of rare cultural skill which greet his eye on entering the greenhouses. The thirty specimen chrysanthemums intended for the exhibition completely fill the showhouse, leaving only room for a platform from which an elevated view of the brilliant banks of color may be obtained. The best of the old and new varieties are embraced in the collection and three hundred flowers per plant is a moderate estimate for some of them. Another house is devoted to the single-stemmed plants grown for cut flower purposes. Five to eight feet tall, with enormous flowers proportioned to their height, these make a superb show. Among the other attractions are pot violets in frames, Gloire de Lorraine begonias and a bunch of enormous cyclamens, recently potted, in training for the spring exhibition. It is worth knowing that Mr. Barr at present keeps the buds picked off clean, allowing none to open before the last of January. A commodious potting shed has been added during the past season. After a pleasant tour of inspection the visitors were entertained in most generous style at the residence of Mr. Barr.

At present the chrysanthemum is on top, Horticultural Hall is overflowing with the showy blossoms and the flower market is almost impassable in the morning from the same cause. This is enough, in itself, to demoralize the flower business but when to it is added the effect of the steady bright weather on carnations and roses the result on the market is as bad as can be and much worse than can be described. Carnations are fairly outdoing themselves. They come in by cratesfull; they are aggressive and are giving the chrysanthemum a good run for its money. Violets respond to the bright weather quite differently and are not as abundant as they were a week ago. The price is advancing steadily. On roses the worst of the glut seems to have passed and a shortening up is noted that will be very perceptible should the weather turn wintry.

The Gardeners' and Florists' Club meeting was held on Tuesday evening, November 7. The principal business on hand was a proposition to amend the constitution so that, if the club so decides, it may suspend all meetings except the annual meeting. The amendment was carried and action under it will be in order at the December meeting. A long list of delinquent names was dropped from the roll. Officers were elected as follows: President, Robert Cameron; vice-president, J. K. M. L. Farquhar; secretary, W. K. Wood; treasurer, Edward Hatch; executive committee, Jas. A. Morton, J. Woodward Manning, Wm. Donald, David Montieth and Chas. Sander.

The Massachusetts Horticultural Society meeting on November 4 was rendered quite exciting by the discussion of a proposition to allow voting by proxy on society matters, the by-laws having prohibited such hitherto. The motion was defeated by a narrow margin.

Visitors: Messrs. Studer, of Washington; Orpet, South Lancaster; Macrae and Smith, Providence; Hurrell, Summit, N. J.; Killen, New York; Macrorie and Hayes, Orange; Playdon, Andover; McCullough, Cincinnati; Mott, Philadelphia; Brandt, Mahan, Peck and Laurie, of Newport.

W. D. Philbrick is picking some exceeding fine violets for the season.

Nicholson is booming Western King, as a superb mid-season white chrysanthemum.

P. Welch and F. R. Mathison have gone to Philadelphia.

Chicago.

TRADE UNUSUALLY LIVELY FOR SHOW WEEK.—COMPETITION MAKES A RUN ON FANCY STOCK.—CHRYSANTHEMUM SEASON AT ITS HEIGHT.—LOCAL GROWERS HAVE NO GROUNDS FOR COMPLAINT.—THE ANNUAL BANQUET.—WITTBOLD ADMITS HIS SONS TO THE BUSINESS.—MEETING OF THE CLUB.—JOTTINGS OF VARIOUS DEGREES OF INTEREST.

It is the consensus of opinion that trade has been better during the past six days than was ever known before in show week. The keen competition in the table decorations and in some of the non-competative displays at the Auditorium has made a run on good stock and the choicest blooms were spoken for days in advance. American Beauties have been in particular demand and the best flowers have sold at rates equal to the rewards for first place at the exhibition. Roses are improving right along and the proportions of good, had and indifferent stock are more nearly at the winter standing; not long ago all that were not bad were indifferent. Carnations are also gaining both in quality and quantity and some very fine stock is

now obtainable if one wishes to pay 2 cents or 3 cents per bloom. Violets have been in only adequate supply. It is a peculiarity that this flower is almost invariably scarce on Monday and a glut on Tuesday. As one commission man expresses it, "the growers are either too good or to lazy to pick on Sunday." The chrysanthemum cut is now at its height and huge loads of bloom reach market every morning. The quality is high, as a rule, and a dozen growers are sending in flowers as good as those shown at the Auditorium this week. As yet there has been little change in the prices. The high figures of even last year are seldom reached, $3 buying all but a few of the extras, but at the same time there has been no break from the profitable rates established early in the season. Several of the visiting florists have remarked that Chicago growers have every occasion to feel satisfied this year.

At 9 p. m., Thursday, 115 happy florists assembled around the tables at the Sherman House to do justice to the good things provided for the annual feast of Chicago Florists' Club. Edgar Sanders acted as toastmaster in his usual happy vein and, after a few well chosen remarks, called on Prof. Cowell, of Buffalo, who told a joke on W. N. Rudd, relating that when they were traveling east last summer circumstances were such that they were compelled to dine at a private boarding house, where Mr. Rudd was called on to say grace. Those who best know Mr. Rudd can imagine his feelings at the moment. However, a little later Mr. Rudd was called upon and countered upon his Buffalo friend in good style. Mr. Herrington was asked as to how Europe compared with this country and said that after a delightful trip this summer he considered America good enough for him. Mr. Buettner was asked to respond for Chicago and said that he is proud he is a Chicagoan, deeming the city the center of the universe. The Chicago quartette was next brought into service and responded to several encores; their first song was "The Midway, or the Flowers in Bloom." G. L. Grant spoke of the struggles of the first flower shows held in Chicago. E. H. Giesy gave a recitation, which was well received, and later was called for the story of "Mr. Potts, of Pottstown, Pa." Other speakers were Messrs. Kissell, Balluff, Evans, Balsley, Weber, Then, Crabb, Rackham, Smith, Hartje, of Jubilee fame, and several others.

George Wittbold has determined to admit his five sons to a share in his splendid business and on December 1 the George Wittbold Company will be incorporated to that end. The boys have worked earnestly in their father's employ and the rapid strides which the concern has recently made are largely due to their energy and business sagacity. "Giving the boys a chance," as Mr. Wittbold expresses it, will surely not detract from the esteem in which the establishment is held by the trade.

At the meeting of the Florists' Club November 3, Mr. Sanders, the outgoing president, was presented with a beautiful gold-headed cane, whereupon he thanked the members and spoke for the future welfare of the club. A committee consisting of Messrs. Winterson, Benthey and Sanders was appointed to provide suitable entertainment for the club the coming season. Messrs. Oecklin and Grossman were elected to membership. Andreas Simon had on exhibition a box of fine bulbs which were grown in Whatcom county, Washington. Jacob Russler exhibited a promising pink seedling carnation.

Not least among the pleasant features of exhibition week in this city was the elaborate repast tendered his friends by O. P. Bassett, the amiable head of the firm of Bassett & Washburn. The event will be long remembered by the guests of the genial host, who, notwithstanding his "nineteen" years, feels "just as young as he used to be."

Kroeschell Bros. Co., in common with other Chicago manufacturers, have suffered since July 15 from a strike of their boiler makers, but are now organizing a force of non-union men and hope to soon be in a position to take orders for immediate delivery.

There have been no developments in the fern situation. One wholesaler paid $18 for an eleven-minutes long distance telephone conversation with a Hinsdale, Mass., man last week and now he is not at all alarmed at the prospect of a stiffer market.

Reinberg Bros. have sold several hundred thousand field grown carnation plants this fall and have now reduced their stock to a comparative handful of McGowans.

At Washington, Lincoln and Garfield Parks they have Aristolochia gigantea Sturtevantii, the goose plant, pendant in the show houses. It is an oddity which attracts much attention.

One box of Crabb & Hunter's exhibition stock, ten single stemmed pot plants of the first grade, was delivered upside-down by the express company. Of course it was a wreck.

Nathan Smith & Son, Adrian, Mich., are making their first attempt at growing orchids and the Cattleya labiata which they are sending to Benthey & Co., prove that the departure is a complete success.

The twelve new houses at Lincoln Park are now completed and stocked and the range is one of the finest in the country. The chrysanthemums in the show houses are attracting a good deal of attention.

Wietor Bros., are cutting large numbers of extra fine Beauties. They furnished a goodly portion of the blooms shown by the retailers at the exhibition this week.

Lynch is handling some nice red bouvardia and some good Admiral Dewey chrysanthemums, the latter from E. F. Lemke, of St. Paul.

J. B. Deamud is receiving carnations of excellent quality.

Detroit.

OUTING OF THE FLORISTS' CLUB —A SPECIAL CAR TO MOUNT CLEMENS.—TOUR OF THE KLEGGE, BREITMEYER, TAYLOR AND CAREY PLACES REVEALS MUCH OF INTEREST.—A STORY OF UNBOUNDED HOSPITALITY.

The outing enjoyed by thirty-three members of the Detroit Florists' Club took place November 16. A special car was engaged on the Rapid Railway, which left Breitmeyers' store at one o'clock for Mt. Clemens. On arriving there we first visited Robt. Klegge, whose fame as a violet grower is very wide. His constant success with violets for the past few years is really remarkable. This year he has 10,000 plants of Marie Louise and Farquhar. He says the latter is essentially a warm weather violet, attaining best results in the spring. It is not so subject to disease as is Marie Louise and is a much stronger grower. It is, however, slow to develop its flowers, so much so that the outer petals begin to fade out before the full development of the blooms. Mr. Klegge has already picked 90,000 flowers this fall. At present all his plants are perfectly healthy and the flowers large and as deep in color as one could expect in cooler weather.

Next we visited Breitmeyers' immense establishment of 100,000 feet of glass, where the greatest interest was centered upon the gorgeous display of chrysanthemums, to which several houses are devoted. The great number of varieties that were grown here a few years ago, embracing all known types and shades of color, has been cut down to a carefully selected list of standard and well tried sorts of the most distinct colors that find approval with the public at present. Conspicuous among them are Mrs. Perrin, Thornden, Mrs. Baer, Autumn Glory, Western King, Ivory, Pink Ivory, Mrs. Higinbotham and Mrs. Jerome Jones.

Breitmeyers' is the home of Cerise Queen carnation, the merits of which are now well known. Several other new seedlings are under test which will be disseminated as soon as their distinctive value is fully proven. In roses a large house of young Beauties is very fine and indicates a full crop for Christmas. A house of Perle and Sunset is especially fine and a house of Meteor, while at present off crop, is strong, clean and healthy and many houses of Bridesmaids and Brides show the good results of the skilful hand of the grower. A great many Mme. Cusins are grown here and Golden Gate is being tried and is at present in full crop. Mr. Breitmeyer says it finds favor with all who see it.

After the inspection of the houses we tasted the well known hospitality of this place. Father Breitmeyer treated us with white wine, red wine and all kinds of wine, the product of his own vineyard, of which he is justly proud. Then after a stroll of a mile or more and climbing over many kinds of fences, which taxed the athletic abilities of most of the boys, we reached Jas. Taylor's, where five houses are planted with violets and carnations, all looking well.

Mr. Taylor had fine violets last year and many times promised the same for this season but his plants are slow to bloom. Mrs. Taylor prepared an elegant supper, which was served to the great delight of her visitors, but the approaching darkness hastened our departure for Jno. Carey's place, which is a mile nearer to Mount Clemens. Arriving there it was too dark to see his stock in the houses but his ice box was filled with carnations and roses the quality of which plainly showed the good condition of the plants from which they were cut. From here the Monroe House was visited, where the evening was spent in bowling and pool playing. A band of music on the car returning home added greatly to the enjoyment of the trip.

Trade is good and getting better as the season advances. Flowers of all kinds are quite plentiful and of good quality.

H. G. Flammer has opened a store on Woodward avenue. J. F. S.

RUSSELLIA LEMOINEI has given great satisfaction to those who have tried it. It makes a superb hanging basket plant. Care should be exercised in fumigating houses in which it is growing as the young growths are very easily burnt by the smoke.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

BOUGAINVILLEA SANDERIANA should be kept well on the dry side at this season to induce it to set buds.

WHOLESALE florists are obliged to stand an advance of about twenty per cent in the cost of packing cases.

IN view of the continued advances in the cost of all florists' requisites the trade will be justified in a horizontal rise in prices.

GREAT care should be taken now not to overwater poinsettias as, if this caution is not observed, they are very liable to lose their leaves.

AN international chrysanthemum congress will be the last but not least of the horticultural gatherings at the Paris Exposition next year.

THE National Chrysanthemum Society of France has an exhibition in progress at Lyons at which some excellent novelties were expected to be shown.

ACALYPHA MACROPHYLLA and Abutilon Savitzii have been associated with splendid effect in bedding at several parks and cemeteries during the past summer.

A GOOD opening for a florist or grower of vegetables under glass may be found in Rhinelander, Wis., it is said, no one in these lines being located there at present.

LOUIS BRUSCH, secretary of the American Radiator Co., sees no prospect for lower prices of boilers or piping before next fall, with a probability of further advances.

MR. WHITTOCK, for twenty-two years with the Earl of Fitz William at Coolattin, near Dublin, has been appointed to the position of the late Malcolm Dunn at Dalkeith.

CROTONS were a failure as bedding plants at Lincoln Park, Chicago, the past season, but the gardeners attribute this solely to the soil and the proximity to Lake Michigan.

SUPERINTENDENT SMITH, of Mt. Hope Cemetery, San Diego, Cal., finds Phœnix Canariensis excellent for cemetery decoration, the plant producing a mass of foliage without deep roots.

WHILE not equal to some other varieties as to shape of bloom or truss, Canna Souv. d' Antoine Crozy is exceedingly fine for massing and the best colored of the entire Crozy type. Pres. Cleveland is likely to supercede Chicago, being better in all respects. Leonard Vaughan appears to be the best bronze up to date and has the additional advantage of a good truss of fine flowers.

WE send the AMERICAN FLORIST every week to the address of any person in the trade of the United States, Canada and and Mexico for only $1 per year; to all other countries in the postal union $2 per year. Please send your subscription now.

MAYOR MAYBURY, who made such a favorable impression on the florists who attended the S. A. F. convention at Detroit last August, was re-elected November 7. During his administration as chief of the city and that of Harry Balsley, as president of the park commission, there has been done a large amount of effective work in the best interests of horticulture and floriculture.

BOSTON fern owes much of its popularity to the ease with which it adapts itself to house culture. Frequently we see in sitting-room windows specimens equal to the finest conservatory-grown plants and of better color than the average greenhouse product. This would indicate that this plant prefers the deficient light of the dwelling house to the glare of the greenhouse and that shade is an essential for its best development.

The Chrysanthemum.

He is lordly, he is stately;
He is frilled and feathered greatly:
Down the pike no finer specimen was ever seen to come.
Well may lovers of things floral
Sing a laudatory choral
To the honor and the glory of the proud chrysanthemum.

He is elegant and courtly,
He is tall and he is portly;
His deportment is majestic and his manners are refined.
Multitudes bow down before him
And exalt him and adore him,
And unanimously hail him as the monarch of his kind.

This they do with solid reason
For in this autumnal season
All the other floral beauties have been turning up their toes.
The geranium and the lily
Have succumbed to weather chilly
And grim death has claimed the hollyhock, the daisy and the rose.

So alone and independent
Is this autumn flow'r resplendent,
And to look at him you'd fancy that he surely feels his oats.
For his aspect breathes defiance
And distinguished self-reliance
And his general demeanor royal loftiness denotes.

In his raiment rich and splendid
All the rainbow's hues are blended,
With the possible exception of the tints of green and blue.
But such wealth of red and yellow
And of mauve and purple mellow
And of white and cream and piebald nowhere else could greet the view.

So to crown this flow'r's ambition
He is placed on exhibition,
And the populace assembles and is promptly stricken dumb
By the richness and the rareness
And the frilled and feathered fairness
Of that foremost floral exquisite, the proud chrysanthemum.—*Pittsburg Leader.*

The Palm Swindler Again.

The old bunco game was played upon a florist in the vicinity of Fall River, Mass., on the afternoon of November 3, so a local paper states. On the same day an Englishman, giving the name of Edwin White, aged 25 years, was taken into custody at Providence, R. I., on a charge of having attempted a similar swindle upon a Providence florist. The description of this prisoner is said to correspond closely with that of the party who victimized several florists last year, and it is possible he is the individual for whom the Fall River police are looking. The arrest and conviction of this troublesome swindler will be gratifying news to the florists trade throughout the country.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

GALVESTON, TEX., Nov. 14-15.—First floral fair, ladies of Galveston. Mrs. Christopher Dart, Sec'y.

NEWPORT, R. I., Nov. 14-16.—Chrysanthemum show, Newport Hort. Society, Alex. Maclellan, Sec'y.

BUFFALO, N. Y., February 15-16, 1900.—Exhibition American Carnation Society. Albert M. Herr, Lancaster, Pa., Sec'y.

NEW YORK, N. Y., March and June, 1900.—First exhibitions American Rose Society. Paul M. Pierson, Scarborough, N. Y., Sec'y.

WACO, TEXAS, Nov. 15-17. Fourth Chrysanthemum show, Texas State Floral Society. Miss Bella Beer, Sec'y, Waco, Texas.

ST. LOUIS, Mo., Nov. 14-18.—Chrysanthemum show, St. Louis Florists' Club. Emil Schray, Sec'y, 4101 Pennsylvania avenue.

BALTIMORE, MD., Nov. 13-18.—Chrysanthemum show, Gardeners' Club. Geo. Talbot, Sec'y, Clifton Park.

HARTFORD, CONN., Nov. 13-16.—Chrysanthemum show, Connecticut Hort. Society. C. H. Boykett, Sec'y, Hartford.

ELMIRA, N. Y., Nov. 14-15. Chrysanthemum show, Elmira Hort. Society. R. R. Stockdale, Sec'y.

ORANGE, N. J., Nov. 15.—Show of New Jersey Floricultural Society, J. B. Davis, Sec'y, Orange.

TORONTO, CAN., Nov. 15-18.—Chrysanthemum show, Toronto Gardeners' and Florists' Association. D Robertson, Sec'y, Reservoir Park.

Greenhouse Building.

Paw Paw, Ill.—Clark Weaver, two houses 16x50.

Grand Rapids, Mich.—Henry Smith, carnation house.

Lenox, Mass.—John Sloane, conservatory.

Stockbridge, Mass.—Dr. Haven, conservatory.

St. Paul, Minn.—L. L. May & Co., range of houses. A. H. Bunde, two houses.

Whitestone, N. Y.—Louis Dupuy, house 25x125, one 25x75.

Bayside, L. I.—J. H. Taylor, two rose houses.

Oscawana, N. Y.—Mrs. H. P. Degraaf, palm house 25x50.

Raritan, N. J.—J. S. Frelinghuysen, palm house 25x40; plant house 20x45.

Fort Hamilton, N. Y.—F. C. Cochen, conservatory 30x40.

Brooklyn, N. Y.—Edw. Hobbs, palm house 28x40; plant house 20x40.

Jamaica, N, Y.—W. C. Baker, conservatory 20x30.

Plainfield, N. J.—P. St. John McCutcheon, conservatory 25x30.

Princeton, Ind.—C. A. Shannon, one greenhouse.

New Haven, Conn.—E. J. Morse, violet house 20x142; carnation house 33x200.

New London, O.—W. D. Chase, one house.

Germantown, Pa.—Wm. Burger, conservatory 34x90.

Brockton, Mass.—Lively & Bond, two houses.

Montoursville, Pa.—Harding Bros., one large house.

New Haven, Conn.—E. J. Morse, violet house 20x142; carnation house 33x200.

Canadian Horticultural Association.

The annual convention of the Canadian Horticultural Association for the year 1900 will be held in Montreal in either the first or second week in August; the exact dates will not be decided upon until the meeting of the executive committee next January. It is expected to be the largest gathering of horticulturists which has ever taken place in Canada, and no effort will be spared on the part of the local committee to make the affair a complete success. Efforts will be made to secure the very lowest traveling rates from railway and steamboat com-

panies and to suitably provide for the comfort and entertainment of the members and their ladies while here. It is proposed to make the trade exhibit a feature of the convention. Already inquiries have been received from several firms, both Canadian and American dealers, regarding this feature. The secretary of the C. H. A., A. H. Ewing, Berlin, Ont., will gladly answer all correspondence relating to the association or the coming convention. JAMES MCKENNA.

OBITUARY.

OSCAR SHULZ.

Oscar Shulz, of the firm of Shulz & Smith, of Ivywild, Colorado Springs, Colo., died of heart failure on November 2. Interment was at Evergreen cemetery on the Sabbath.

MRS. ANDREW BRIDGEMAN.

Catharine Wentzel Bridgeman, widow of Andrew Bridgeman, died at Astoria, L. I., on Friday, November 3, aged 80 years. The funeral services were held on Monday at her late residence on Longwood street.

MRS. J. H. TAYLOR.

Mrs. John H. Taylor died at her home in Bayside, N. Y., on Thursday, November 2, after a long and painful illness. The town will miss her greatly, especially the poor and needy, who found in her a benefactor and a friend. She was universally beloved and is sincerely mourned. Mr. Taylor and family have the deep sympathy of their many friends.

FRANK BEAN.

Frank Bean, of Oldensburg, N. Y., died October 29 of lockjaw. Three days previously, while at work in the greenhouses, Mr. Bean stepped on a rusty nail, which ran through his shoe and into his foot. Blood poisoning set in and lockjaw ensued. He was fifty years of age and well known in the trade. His father, Frank Bean, Sr., died two weeks ago, at the age of ninety-six.

MRS. ROBERT JOHNSON.

The demise of Mrs. Johnson, widow of Robert Johnson, is chronicled in the daily press of Providence, R. I. During his life time Mr. Johnson was one of the best known florists in his region and the seven sons surviving are now an important factor in the trade. E. J. Johnson continues the business of his father on Swan Point road, T. J. Johnson is in business at 171 Weybosset street and the Johnson Bros., 228 Westminster street, have a fine establishment.

PETER M. GIDEON.

Peter Gideon, the originator of the Wealthy apple, is dead at Excelsior, Minn. He was born in Ohio in 1820 and, after a brief residence at Clinton Ill., removed to Minnesota in 1853, when there were only a handful of white people at Excelsior. Ever since that time he has been engaged in horticultural research and experiment, the best fruit of which was the Wealthy, named after his wife, Wealthy Hall, whom he married in 1849. This apple has been of inestimable value to the northwest but honor, not riches, are the heritage of his family. Recently it was proposed that orchardists contribute 5 cents for each bearing tree of Wealthy as a testimonial to Mr. Gideon and a substantial sum would doubtless have been realized had he lived.

THOMAS MILLER.

The death of Thomas Miller, almost a centenarian, is reported from St. Johns, N. B., where he was for many years the owner of the greenhouses now conducted by H S. Cruikshank. Mr. Miller was born at Bandon, County Cork, Ireland, in 1806, and moved to New Brunswick at the age of nineteen. In 1857 he built his first greenhouses on the site of the present Cruikshank establishment, the first in St. Johns, which he continued until 1876. The old gentleman had been in failing health for some time but was in complete possession of his faculties and predicted his demise almost to the hour. His only surviving relative is a grandson, Alex. Cruikshank.

WM. H. BROWER.

William Hulse Brower died at his home in Plainfield, N. J., on Friday evening, November 3, aged 73 years. He was born in New York city. When he was quite young his father was accidentally killed and upon him devolved the support of his mother. He went first into the business of carpenter and builder but in 1853 took up the flower business in New York. He was located for some time in the St. Nicholas Hotel but in 1863 moved to the store still occupied by his sons, at the junction of Broadway and Fifth avenue, between twenty-second and twenty-third streets. Some years ago he went into politics and was a candidate on the Republican ticket for county clerk in Union County, N. J., but was declared defeated, although it was afterwards admitted by both parties that he was "counted out." He was married in Poughkeepsie, by the Rev. J. Hyatt Smith who has since that time become widely known. His widow and three sons, John L., Wm. I. and Lorenzo D. survive him. He ceased active work in his flower business some fifteen years ago and his sons have continued it. His death was caused by Bright's disease, his illness having lasted but five days, although for the past four years his health has been precarious. Mr. Brower was a very affable gentleman, quiet in demeanor but withal a shrewd business man. He made friends easily and kept them and no one was ever known to say a disparaging word regarding him. One of the pioneers in the New York flower trade, he was in every respect a credit to his business.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV (situations only) free to be used at any time during the year.

SITUATION WANTED—Rose grower; 10 years' experience in largest commercial places. Best references Address C H M. care Am. Florist.

SITUATION WANTED—Private place, by Englishman; twelve years' excellent character. WARREN, 172 Boggs Ave., Mt. Washington, Pittsburg, Pa.

SITUATION WANTED—By young man as assistant in greenhouses Experience equivalent to about four years. To begin about Jan. 1st Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—By florist and gardener; married, no children. Well recommended. Private place preferred Address XY. care Vaughan's Seed Store, Chicago.

SITUATION WANTED—By young man in cut flower growing establishment in the eastern states; four years' experience in general greenhouse work, carnations, etc. Address W C H, care Am. Florist.

SITUATION WANTED—By a No. 1 all-around grower and decorator, either in greenhouses or store. First-class parties only. Address VERITAS, care McKellar & Winterson, 45 47 Wabash Ave., Chicago.

SITUATION WANTED—By married man, small family, age 40, life experience in growing flowers, fruits and vegetables; fully competent to take charge of either commercial or private place Good references. Address X Y, care American Florist.

SITUATION WANTED—By a most proficient gardener, life experienced, middle aged, married, the management of a first-class establishment, commercial or otherwise, where everything is required in A1 shape. Ask for references. F, care Am Florist

SITUATION WANTED—Private place; a position where the services of a trusty and experienced gardener will be appreciated. Well posted in all details of work on gentleman's place; a good grower of cut flowers and vegetables; 20 years' experience; German-born American citizen; single Please address GARDENER, Box 55, Greene Farms, Conn.

SITUATION WANTED—By a middle-aged German, single, industrious and strictly sober, as foreman on commercial place; over 20 years' experience in all branches; first-class grower of roses, carnations and chrysanthemums, well experienced in forcing bulbs, etc Can furnish best references as to ability and character. Address C F, care American Florist.

WANTED—Boy to learn the greenhouse business of growing roses and carnations Apply JOHN L. WYLAND, De Haven, Pa.

WANTED—To know the address of Joe Milton; will hear of good news. Address BUSINESS, care Gen. Del., Peoria, Ill.

WANTED—Night fireman for small place, one steam boiler; steady work when bring is done. Address M 1, care American Florist.

WANTED—A copy of issue No 4, October 1, 1895, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—Saleswoman of pleasant address; must be capable and understand house decorating, designs, etc.; good wages. Address ROSE WRIGHT, Spokane, Wash.

WANTED—A single man who can grow first-class cut flowers; good propagator and quick potter; must be a hustler Steady position. State wages with board, room, etc Address VICK, care American Florist.

WANTED AT ONCE—A man who understands growing roses, carnations, violets and general stock and help care for fires Must be sober and reliable. Wages to start, $20 per month and board. CHAS. K. SWENSON, 210 Asylum St., Hartford, Conn.

WANTED—Rose and carnation grower, one who thoroughly understands and can take charge of six houses State age and wages wanted with board, also telegraph address. If reply is satisfactory, will telegraph. Address JOHN L. WYLAND, De Haven, Pa.

WANTED—A reliable man to take charge of green houses to grow a general stock of cut flowers and plants for retail trade; must be sober, reliable, honest and capable of keeping himself and others at work; steady place to right man. FRED J. KING, Ottawa, Ill.

WANTED—To correspond with a live florist, with a little ready cash, who would like to get possession of the leading florist business in a progressive Indiana town; 8 000 feet glass, pa ing well Splendid opening for wholesale grower; cheap coal, good soil, city water, manure handy, four railroads. Address J. A. BALMER, Pullman, Wash.

WANTED—An experienced man or lady to take entire charge of our store in town. Must have executive ability to handle any order with dispatch, be agreeable and honest. A permanent place to the right party. State wages expected and where last employed. Address JOS W. VESTAL & SON, Little Rock, Ark.

FOR SALE—7000 ft glass, well stocked, and 9 room dwelling, all in good order. A bargain; other business. L. M. COTTLE, 722 N. 64th St., Oak Park, Ill.

FOR SALE CHEAP—Second hand greenhouse material—1000 ft. 1-in steel pipe, 200 ft soil pipe, single hub, with fittings; 18 boxes glass, single thick, 10x12; 50 wire designs for funerals: flower pots, 1700 2s, 1000 3¼s, 1000 5s, 275 4s, 200 6s, 50 8s; 32 sash 3x3. Write for prices F. W. CUSTER, Pontiac, Ill.

A RARE CHANCE. The proprietor of a well-established place of 15,000 square feet of glass in a town of 60,000, about 60 miles from Philadelphia, desires to retire and will sell his stock, ALL IN FINE SHAPE, and lease the place for a number of years to party who is reliable and who has small capital. This is a profitable retail business, of which further particulars may be had by addressing..... ROBERT CRAIG & SON, Market and 49th Sts., PH.LADELPHIA.

WANTED.

Night fireman on steam boilers, must be exercised as such; sober and have references from former employers.

S. J. REUTER, Westerly, R. I.

Peoria, Ill.

C. Loveridge, who for the past ten years has had charge of J. C. Murray's greenhouses, has recently embarked in business for himself. His four houses, each 25x125, are models of their kind. As an all-around grower he is pre-eminently successful and one need but take a glance at his Beauties, Brides, Bridesmaids and Perles, his Portias, Scotts and McGowans, to arrive at the conclusion that success is in store for the enterprise. In addition to the greenhouses Mr. Loveridge has a well appointed store at 321 Main street in charge of T. Lockyear.

Geo. A. Kuhl has moved from his old stand into a larger and more commodious store. It was my pleasure to go through his greenhouses at Pekin and what I beheld there might be compared with the best I have seen during my recent travels. Although roses and carnations are his specialties, a general stock for both his Peoria and Pekin stores is also grown.

HOMO.

Wholesale Cut Flowers

705 PENN AVE. 'PHONE 2157.

Am. Beauties

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT A.D. 1765 COL. BOQUET. PITTSBURGH, PA.

Chrysanthemums

CONSIGNMENTS SOLICITED.

Florists' Supplies

Wholesale Flower Markets

CINCINNATI, Nov. 9

Roses, Beauty	8.00@25.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 5.00
" Perle	2.00@ 3.00
Carnations	1.00@ 1.50
" fancy	2.00
Lily of the Valley	4.00
Violets	.50@ 1.00
Narcissus	3.00@ 4.00
Chrysanthemums	8.00@15.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Nov. 9.

Roses, Beauty	8.00@15.00
" " fancy	20.00@30.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 5.00
" Perle, Wootton	2.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	4.00@ 5.00
Violets	.60@ .75
Narcissus	4.00
Chrysanthemums	5.00@12.50
" fancy	15.00@25.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Nov. 9

Roses, Beauty, long, per doz.	2.50@ 3.00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	3.00@ 4.00
" Perle	3.00@ 4.00
" Meteor	4.00@ 6.00
" Kaiserin	5.00@ 8.00
Carnations	1.00@ 1.50
Chrysanthemums, ordinary	6.00@10.00
" fancy	15.00@25.00
Adiantum	1.00
Common ferns	.25
Smilax	8.00
Asparagus	60.00

PITTSBURG, Nov. 9.

Roses, Beauty	5.00@30.00
" Bride, Bridesmaid	2.00@ 4.00
" Meteor	2.00@ 4.00
" Kaiserin	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusie	2.00@ 4.00
Carnations	.50@ 1.50
Lily of the valley	3.00@ 4.00
Violets, double	.40@ 1.00
" California	.30@ .60
Chrysanthemums	3.00@18.00
Smilax	10.00@12.00
Wild Smilax per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	.35
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c

ORCHIDS. VALLEY... FERNS.....

TWO TENDENCIES have recently made their appearance in modern commercial life.

Specialization.

Direct dealing.

By specializing and confinining his energies to one or two lines of products, the producer finds that he can put forth a better article than his competitor.

By direct dealing with the producer, the consumer finds he can get a better article at the price of an inferior one.

THE special products of the Rosebank Nurseries are Orchids, Valley and Ferns.

The Orchids are the best in the market, both in point of variety freshness and beauty of bloom. Cattleyas, 50c.; others, 15c. per bloom.

The Valley, of an especially high grade, is offered on yearly contract at $3 per 100; on single orders, at $3.50.

The Ferns (Adiantum), unequalled in freshness, size and strength of fronds, are sold at the regular price of $1 per 100. ☙ ☙ These special products are sold direct to the retail florist.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

YOU CAN NOW HAVE
THE
Great Lawson Carnation
and the prices not high.

(Read large advertisement on page 441 of this issue.)

THOS. F. GALVIN,
124 Tremont St., BOSTON, MASS.

G. L. HUSCROFT & CO.,

WHOLESALE FLORISTS.

444 Sixth Avenue, PITTSBURG, PA.

LONG DISTANCE PHONE 2985.....

Consignments Solicited.
WE COMMAND A GOOD MARKET.

Please mention the American Florist when writing.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial.

...The American Florist.

J. B. DEAMUD,

51 WABASH AVE., CHICAGO.

PRICE LIST:

	Per doz.
AM. BEAUTIES, Ex. long	$3.50 to $4.00
" 24-inch	2.50 to 3.00
" 20 "	2.00
" 15 "	1.50
" short	1.00 to 1.25
BRIDES, MAIDS	Per 100.
METEORS, KAISERINS	$3.00 to $5.00
PERLES	3.00 to 4.00
CARNATIONS	1.00 to 1.50
" fancy	2.00 to 4.00
VALLEY	3.00 to 4.00
VIOLETS, double	1.00 to 1.25
" single	.50 to .75

	Per 100.
SMILAX	$12.50 to $15.00
ADIANTUM	.50 to 1.00
ASPARAGUS	50.00
FANCY FERNS, $1.50 per M.	
IVY LEAVES	.50

WILD SMILAX. We keep on hand a supply in 3 sized cases, which we offer:
No. 1, large $7 00 per case
No. 2, medium 5.00 "
No. 3, small 3.50 "

☞ Prices subject to change without notice.
P. AND D. AT COST.

J. B. DEAMUD, 51 Wabash Ave.,
Successor to Illinois Cut Flower Co. CHICAGO.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*
PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS.

FULL LINE OF ALL Florists' Supplies

Fall Bulbs Of All Kinds. Write for quotations on your wants now.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. PRICE, $2.00.

Wholesale Flower Markets

CHICAGO, Nov. 20.

Roses.	Beauty,	extra long stems		3.00@4.50
"	"	24 inch	"	2.50
"	"	20 "	"	2.00
"	"	15 "	"	1.50
"	"	12 "	"	1.00
"	"	8 "	"	.75
"	Bride			3.00@ 5.00
"	Bridesmaid			3.00@ 5.00
"	Perle			3.00@ 4.00
"	Meteor			3.00@ 6.00
"	Kaiserin			4.00@ 5.00
Carnations				1.50@ 2.00
"	fancy			2.50@ 3.00
Violets, double				1.00@ 2.00
"	single			.35@ 1.00
Lily of the Valley				3.00@ 4.00
Cattleyas		per doz.		3.00@5.00
Dendrobiums			"	3.00
Chrysanthemums, medium				2.00@ 6.50
"	long			10.00@25.00
Mignonette				1.00@ 2.00
Narcissus				3.00@ 4.00
Adiantum				.50@ 1.00
Common ferns				.15
Fancy Ferns				.20
Smilax				10.00@15.00
Asparagus				35.00@50.00

KUHL, PEKIN, ILL.

now ready to fill orders for
ROSES, CARNATIONS, 'MUMS, SMILAX, FERNS AND ASPARAGUS.
Write him. Get orders IN EARLY for THANKSGIVING.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.
Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST CHICAGO

Tell your wants in the American Florist.

LAKEVIEW ROSE GARDENS, WHOLESALE GROWERS OF CUT FLOWERS.

AMERICAN BEAUTIES, Per doz.
extra long stems..... $3.00
24 to 30 in..... 2.50
20 in..... 2.00
15 in..... 1.50
12 in..... 1.00
8 in..... .50

BRIDES, MAIDS, METEORS, $3.00 to $5.00 per 100; PERLES, $2.00 to $4.00 per 100; GOLDEN GATE, ADMIRAL DEWEY, MME. CHATENAY, $4.00 to $6.00 per 100. CARNATIONS, $1.50 to $3.00; 'MUMS, $6.00 to $15.00 per 100. ☞ Prices subject to change without notice. We can fill all orders on short notice.

.....Jamestown, N. Y.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from regular growers assigned separate space in our market. We guarantee payment for all flowers sold. Sales reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.

☞ LONG DISTANCE 'PHONE AT EITHER PLACE

GALAX LEAVES

AND LEUCOTHOE SPRAYS.

To Dealers Outside of N. Y. State:

Choice Galax..... $0.40 per M
Choice Leucothoe..... 2.00 "

Special prices to wholesale dealers. J. N. PRITCHARD, Elk Park, N. C.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Nov. 8.

Roses, Tea	2.00@ 3.00
" " extra	4.00@ 8.00
" Beauty, extra	15.00@30.00
" " firsts	10.00@15.00
" " seconds	6.00@10.00
Carnations	.75@ 1.50
" fancy	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	.35 0@50.00
Smilax	25.00@50.00
Adiantum	1.00

BOSTON, Nov. 8.

Roses, Beauty, select	16.00@35.00
" ordinary	3.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" Kaiserin	2.00@ 4.00
Carnations, ordinary	.75@ 1.00
" fancy	1.50@ 2.00
Lily of the valley	2.00@ 4.00
Violets, single and double	.75@ 1.00
Chrysanthemums	2.00@ 6.00
" special	8.00@12.00
Cosmos	.50
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

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VIOLETS and LILY OF THE VALLEY.
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ROSES, CARNATIONS, VALLEY
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GROWERS and BUYERS make a note of this. It will be to your advantage.
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WHOLESALE COMMISSION,
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Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
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Wholesale Flower Markets

NEW YORK, Nov. 8.

Roses, Beauty select	10.00@25.00
" " ordinary	2.00@ 5.00
" Bridesmaid, Bride, Morgan	.50@ 4.00
" Kaiserin, Meteor	1.00@ 4.00
Carnations	.50@ 1.00
" fancy	1.00@ 2.00
Lily of the valley	2 00@ 3.00
Violets	.75@ 1.00
Chrysanthemums	.50@ 6.00
" fancy	12.00@25.00
Cattleyas	20.00@30 00
Smilax	5.00@ 8.00
Asparagus	25.00@35.00
" Sprengerii, per doz. bunches	1@1 50
Adiantum	.50@ .75

BUFFALO, Nov. 9.

Roses, Beauty	3.00@35 00
" Bride, Bridesmaid, Meteor	1.00@ 6.00
" Perle, Niphetos	1.00@ 4.00
" Kaiserin	1.00@ 6.00
Carnations, ordinary	.50@ 1 25
" fancies	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1 00
Chrysanthemums	3 00@15.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	40.00@60.00

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Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

CUT FLOWERS
Direct Out of Greenhouse.
Roses, KAISERIN.....$3.00 per 100
'MAIDS..... 2.00 "
Carnations 90 "
and now very fine.
Chrysanthemums at.....10.00 "
GARL E. TAUBE,
Mercer Floral Co. TRENTON, N. J.

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Special Attention Given to Shipping Orders.

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Wholesale Florists
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Can supply CHRYSANTHEMUMS in best quality and any quantity. VIOLETS too.
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DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
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THE WORD.
ALL SIZES, COLORS, PRICES.
PACKED CAREFULLY.

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CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

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AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield Conn., Sec'y and Treas.

WEATHER continues generally favorable for curing the sweet corn crop.

VISITING NEW YORK: Mr. and Mrs. S. Y. Haines, Minneapolis, Minn.

INSURANCE matters in connection with S. F. Leonard's loss are reported progressing favorably.

THE onion set market is expected to advance following the heavy loss in Leonard's warehouse.

ONION seed prices are very unsettled and still keep most of the trade guessing. Eastern growers have had a phenomenal sale on it during the past three weeks.

Scene at Leonard's Warehouse.

The accompanying illustration shows the ruins of the S. F. Leonard warehouse, Chicago, three days after the great disaster of November 1. Four bodies were taken from the wreck, at the right of the picture, where the arc light hangs, and fire raged for nearly a week in the tangled mass of timbers. Mr. Leonard's financial loss was in no wise overestimated in the first reports but he has now secured new quarters and hopes to soon be in a position to fill all orders.

The Melon Disease in Iowa.

Some years ago Dr. Erwin F. Smith, of the United States Department of Agriculture, described a common disease of cucurbits which was due to a species of bacterium. This disease is characterized by a sudden wilting of the leaves. Plants which had appeared normal suddenly wilt and droop. A plant so wilted never recovers. So far as my observation goes on Muscatine Island all the plants of a hill usually succumb to this trouble, although in some cases occasionally only one stalk may be affected. The bacteria responsible for this disease occur in the large vessels (cells) and owing to the large number of these bacteria in the vessels it received the special name of Bacillus tracheiphilus. This particular organism destroys the plant because of the large number of bacteria which are found in its vessels.

This particular melon trouble seems to be quite widely distributed in the United States. Dr. Sturgis of the Connecticut Agricultural Experiment Station says that this is actually the disease which, for the past five years at least, has destroyed a large percentage of the melon vines in Connecticut, without a doubt. "Continuous observation in the field, in three separate localities, during the past season, convinces me that the chief source of trouble was the bacterial organism above mentioned. A plant wilts suddenly without apparent cause." In this state I have only had occasion to examine the fields on Muscatine Island but I have information to the effect that this disease occurs between Columbus Junction and West Liberty where considerable areas are devoted to the cultivation of melons. I have likewise heard complaints of the disease in central Iowa. It is very evident from the studies which have been made on Muscatine Island that the disease increases from year to year. For instance, Mrs. Alice Walton Beatty pointed out to me fields in which there had been very little the year previous but this year nearly one-half of the crop was ruined. The disease appears, further, to be on the increase on the island both on the upland and lower portions. It is very evident that something must be done to prevent its further and continuous spread.

The Muscatine Island planters frequently resort to rotation of crops but it is a short rotation; for instance, the melons are rotated with corn. One year rotation is evidently not sufficient, at least from the experience of the Muscatine growers. I think probably, however, that not sufficient care is used to destroy the old dead vines and weeds which remain on the fields. These should be gathered together in the fall and burned. The usual practice, of course, is to turn these under without giving particular attention to hygienic methods. A second point, and this is very important, the persons cultivating should use care and judgment in the method of tillage. They should not, for instance, pass from a diseased field to one that is not diseased with the same cultivator. It would seem to the writer that the people of Muscatine Island should begin to carry on a more systematic method of rotation of crops. I would strongly urge the growing of such crops as winter rye and asparagus, other garden vegetables, like cabbage, and finally melons. Of course the asparagus will not lend itself to short crop rotation but cabbage, radishes and that class of vegetables can easily enter into a crop rotation. Then it would seem very advisable to grow more extensively leguminous plants like the soy bean and cow pea. Both of these would make admirable forage plants. The farmers must resort to a change if they desire to attain success in the growing of melons. I think there need be no particular alarm if these facts are borne in mind.

Ames, Iowa. L. H. PAMMEL.



MELON DISEASE IN IOWA.

A—Portion of root and stem just wilted, some of the leaves wilted and blackened, C—A more magnified view of wilted leaf, petiole blackened. R—Cross section of root showing black areas.

Catalogues and Cut Flower Price Lists Received.

The Cassel Nursery Co., North Clayton, Ohio, fruit trees; Lothrop & Higgins, East Bridgewater, Mass., dahlias; W. J. Hesser, Plattsmouth, Neb., plants; Barteldes & Co., Denver, Colo., seeds and florists' supplies; J. H. H. Boyd, Gage, Tenn., trees; James W. Erringer, Chicago, Ill., Lehman's heaters; P. Lambert, Trier, Germany, roses; Webb & Brand, Saffron-Walden, Eng., hollyhocks; Soupert & Notting, Luxembourg, Grand Duchy, roses; Ketten Bros., Luxembourg, Grand Duchy, roses; Stansfield Bros., Southport, Eng., alpine and hardy perennials; C. A. Kuehn, St. Louis, Mo., cut flowers; Cincinnati Cut Flower Co., Cincinnati, Ohio, cut flowers; E. C. Amling, Chicago, Ill., cut flowers; Kennicott Bros., Chicago, Ill., cut flowers; W. E. Lynch, Chicago, Ill., cut flowers and florists' supplies; A. G. Prince & Co., Chicago, Ill., cut flowers and florists' supplies.

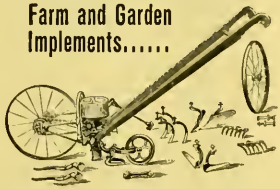
RACINE, WIS.—George Ede has some time since left town and his name should be expurged from mailing lists.



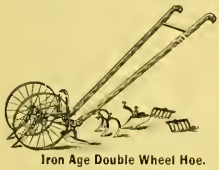
BURNING RUINS OF LEONARD'S SEED WAREHOUSE, CHICAGO.

THE IRON AGE

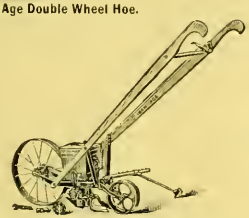
Farm and Garden Implements.....



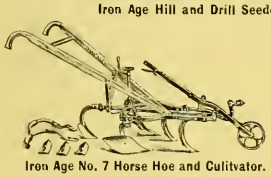
The Iron Age Combined Wheel Hoe and Seed Drill.



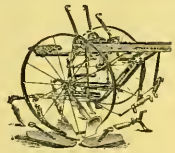
Iron Age Double Wheel Hoe.



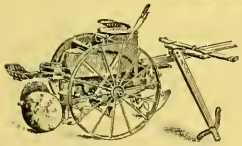
Iron Age Hill and Drill Seeder.



Iron Age No. 7 Horse Hoe and Cultivator.



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Improved-Robbins Potato Planter.

Send for Iron Age Catalogue for 1900, more newsy than ever. It's free to all mentioning this paper.

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CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

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RÖLKER'S SPECIAL BULB OFFER.

Hyacinths.

Single choice colors, separate, per 100 $4.00; per 1000, $36.00.

Named, Large Bulbs.

Single white, La Francaise, Belle Blanchisseuse, Mme. Van der Hoop, per 100, $6.00; per 1000 $55.00.

Single red, L'Adorable, Sultan Favorite, Gertrude, Gigantea, Norma, Robt. Steiger, per 100, $5.50; per 1000, $50.00.

Single blue, Chas. Dickens, La Peyrouse, Regulus, Orondatus, per 100, $5.50; per 1000, $50.00.

Single yellow, La Pluie d'Or, Minerva, Duc de Malakoff, per 100, $5 50; per 1000, $50.00.

Crocus.

Colors separate or mixed, per 100, 25 cts.; per 1000, $2.20.

Narcissus.	100	1000
Cynosure	$.55	$ 5.00
Figaro	.55	5.00
Gloriosa	1.30	12.00
Grand Monarque	1.30	12.00
Stella	.50	4.25
Poeticus	.30	2.60
Campernelles	.45	4.00
Anemones, single mixed	.55	5.00
" double "	.80	7.50
Chionodoxa Lucilliæ	.55	5.00
Iris Spanish	.20	1.50
" English	.65	6.00
Ixia, mixed	.20	1.75
Ranunculus French	.20	1.90
" Turban	.35	3.00

Single Tulips.	100	1000
Artus	$.65	$6 00
Belle Alliance	.90	8.50
Cardinal's Hat	.55	5.00
Couleur Ponceau	.60	5 75
Cottage Maid	1.00	9 00
Duch. de Parma	.60	5 75
Duc Von Thol, crimson	.55	5.00
Kaiserkroon	1.00	9.50
L'Immaculé	.65	6 00
La Reine	.80	7.50
Pottebakker, white	1.25	11 00
" scarlet	.90	8 00
" yellow	1.35	12 50
Rose Grisdelin	1 60	15.00
Rosamundi Huik	.80	7.50
Yellow Prince	1.20	10.00
Mixed Choice	.60	5.00
Double Tulips.		
Duke of York	.75	7.00
Gloria Solus	.75	7 00
Helianthus	1.10	10.60
La Candeur	.70	6.50
Le Blason	1.20	11.00
Purple Crown	.80	7.50
Rose Blanche	.85	8.00
Rosine	1.20	11.00
Mixed Choice	.70	6.50
Scilla Sibirica	.60	5.75
Snowdrop, single	.55	5.00
" double	1.00	9.00

Write for our new illustrated supply catalogue.

TERMS: Net 30 days; or cash with order less 5% discount.

AUGUST RÖLKER & SONS, - 52 Dey Street, New York.

LAST CALL FOR

LIL. LONGIFLORUM

Bulbs are extra fine and plump and will assure a good crop. Not too late to get them in for EASTER. We offer for one week only at following exceptionally LOW PRICES:

5x7	per 100,	$2.50;	case of 500,	$11.00	7x 9	per 100,	$6.00; case of 300, $16.50
6x8	"	4.00;	" 450,	14.00	9x10	"	11.00; " 200, 20.00

Secure These Bargains.

LIL. RUBELLUM, rosy Longiflorum type. ***BONA FIDE NOVELTY,*** forces together with Longiflorum. Sample bulbs, 25c.; dozen, $2.00. WE OFFER AS LONG AS STOCK LASTS.

La Candeur	$0.75	$6.50
Tournesol	1.25	12.00
Single and double mixed	.85	7.00
Murillo	$1.85	$17.50
Duchess of Parma	.60	5.50

CHOICEST SORTS ONLY.

LIL. AURATUM, 6x8, $2.75 per 100, $25 00 per 1000; 8x9, $4.00 per 100; 9x11, $6.75 per 100; monster, $12.00 per 100.

RUBRUM AND ALBUM, MELPOMENE, KRAMERI, ready.
On hand, ***MILLA BIFLORA, BESSERA ELEGANS*** and other Mexican Bulbs.
NEW SEED AND BULB LIST FOR SPRING READY BY DEC 1ST.

ADDRESS **H. H. BERGER & CO.,** ESTABLISHED 1878. **47 Barclay St., New York City.**

To any one mentioning having seen ad. in this paper, we send some EXTRAS in bulbs.



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Bald Head and Cauliflower Wibolft's Snowball.

Awarded highest prize at St. Petersburg in May, 1899

LILY OF THE VALLEY PIPS.

SURPLUS STOCK.

WHITE ROMAN HYACINTHS, 11-12 ctm., per 100, $1.25; per 1000, $11.00.

ITALIAN, shaded white, 12-16 ctm., per 100, $1.75; per 1000, $16 00.

PAPER WHITE NARCISSUS GRANDIFLORA, A1, per 100, $1; per 1000, $7. Cash with order.

HULSEBOSCH BROS., Englewood, N. J.

ROCKY MOUNTAIN TREE AND FLOWER SEEDS.

We have the true **Aquilegia cœrulea.**

New wholesale price list of

Florists' Supplies

now ready. ∴ Western Florists will save money by buying in Denver.

Colorado Seed Store,

BARTELDES & CO., DENVER, COLO.

PALM Seed.

FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5.00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

PRICES of nursery stock have stiffened all along the line.

THE demand for ornamentals has been large this fall.

MANY florists will handle nursery stock for next spring's planting.

THERE are immense possibilities for development in our native plums.

THERE seems to be very little surplus either of fruit or ornamental stock.

LAST winter's experience discouraged many people as regards fall planting.

ALL first-class fruit tree stock will doubtless be cleaned up next spring.

THE Charlton is making for itself a place in the favor of those most competent to judge of grapes.

STEPHEN HOYT'S SONS, New Canaan, Conn., report an increased business over the past two seasons.

THE call upon Florida nurseries seems to indicate returning confidence in the future of orange culture.

L. J. FARMER, Pulaski, N. Y., has a promising new strawberry which he has named the Rough Rider.

NURSERYMEN should give attention to the matter of codling moth; orchardists should be educated to spray their trees.

ONE hundred thousand barrels of apples and pears were lost in the Chicago market during the recent week of hot weather.

THE sale of apple trees has been the heaviest in years and prices are firm. Cherry stock is also higher because of scarcity.

H. C. IRISH says that the American Nurserymen's Association has done more for the everlasting benefit of fruit growers than has any other agency.

THE annual meeting of the Fruit Growers' Association of Ontario will be held at Whitby, December 5 and 6. L. Wolverton, Grimsby, is secretary.

ROLAND MORRILL, of Benton Harbor, Mich., who is well known to all horticulturists, this year sold $35,000 worth of peaches from a fifty-acre tract.

MANY dealers advise the planting of one year old trees, deeming them equally as good as older stocks, even when the latter are not so scarce as at present.

Indianapolis.

A DULL MARKET.—CHRYSANTHEMUMS IN WHITE AND YELLOW SUFFER MOST.—THE TRADE IS OPTIMISTIC.—JOTTINGS HERE AND THERE.

For the last two weeks an abundance of flowers of all kinds, with very little demand has been the prevailing condition in this city. Abnormally warm weather brought out chrysanthemums in a hurry and the result is low prices all along the line and a surplus here and there. White and yellow chrysanthemums and the medium grade of roses suffered most. Violets also were very plentiful for awhile, but the supply of pink and bronze chrysanthemums, first grade roses and carnations was at no time in excess of the demand. Notwithstanding the fact that the market at present is just as dull as at the corresponding time last year, florists generally are taking an optimistic view of the coming season.

About 2,000 feet of glass have been added to the greenhouse area in Indianapolis this year. This is almost exclusively used for cut flowers, which shows that our growers still attach vastly more importance to cut flowers than to pot plants. Carnations are still growing in favor with many florists; not only is the largest part of the new glass area devoted to them but they, in many instances, replace roses.

The Bertermann Floral Co. will have its opening next week, upon which occasion all customers will be presented with a pretty little souvenir.

Bert Stanley, whose skillful landscape gardening has been admired by many, has severed his connection with Fairbanks.

The violet gall fly has again appeared in this vicinity; this time John Hartje is the victim.

A party of Indianapolis florists intend visiting the Chicago chrysanthemum show.

E. H. Giesy, of the Lockland Lumber Co., has been in the city this week.

For the first time Acalypha Sanderi is seen in quantity here. The public has christened it the "Monkey tail plant."

H. JUNGE.

ST. JOSEPH, Mo.—Extensive improvements, including new heating apparatus, are in progress at the greenhouses at Krug Park. Superintendent Rau will shortly have a fine chrysanthemum show.

TREE & SHRUB SEEDS

I have an extra fine lot of the following seeds, good fresh crop 1899, by mail, prepaid: per lb.
Calycanthus Floridus, Sweet Shrub.....40c
Cornus Florida, White Flowering Dogwood...20c
Helesia Tetraptera, Snow Drop.....75c
Magnolia Acuminata.....75c
" Macrophylla.....75c
" Tripetala.....75c
Also Exochorda, Sugar Maple and other seeds and seedlings. Send for list.
J. H. H. BOYD, - - Gage, Sequatchie Co., Tenn.

HOME OF CHOICE TREES
and Hardy Plants.
SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias Blue Spruce.
NEW INTRODUCTIONS OF HARDY PERENNIALS.
NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. ☞Catalogue free.

For Parks, Cemeteries or Private Grounds,
we can furnish a very large and superior stock of
FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.
Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.
Remember we are Headquarters for Nursery Stock in the East.
Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.
SATISFACTION GUARANTEED. ADDRESS...
STEPHEN HOYT'S SONS, New Canaan, Conn.

DEUTZIA GRACILIS,
Strong, bushy plants for forcing, $6.00 per 100.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Send for price list of Hardy Shrubs and Trees.

I have a large stock of 2 to 3 year old, extra strong field-grown
CLEMATIS
with 30 per cent Jackmanni or extra strong 2-year cultivated plants, in 6-in. pots, with 50 per cent Jackmanni, $7 per 100, $60 per 1000; without Jackmanni, $6 and $50; only Jackmanni, $9 & $80. References required from unknown correspondents.
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HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS A SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

NURSERYMEN....
IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leeved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

LOW PRICES...

California Privet. Per 100. 1000
2 to 2½ feet, bushy.....$3.00 $25.00
2 to 3 " " 3.50 30.00
2 to 3 " X heavy..... 1.00 35.00
Prices on 10,000 lots given on application.

Clematis Paniculata.

	Per 10	100	1000
No. 1, first-class	$1.00	$ 8.00	$70.00
No. 2	.70	5.50	50.00
Extra size	1.25	10.00	90.00

AMPELOPSIS VEITCHII, 2 AND 3 YEARS, FIELD-GROWN, X HEAVY.

	Per 10	100	1000
No. 1	$0.80	$6.00	$50.00
No. 2	.65	5.00	45.00

	Per 10	100	1000
X size	$1.00	$8.00	$75 00
XX size	1.25	9.00	85 00

ROSES, SHRUBS and VINES. 30,000 GRASSES, CHEAP.
SEND FOR WHOLESALE LIST.
The Elizabeth Nursery Company, - - Elizabeth, N. J.

VIOLETS, $1 to $1.50. CARNATIONS, $1 to $2.50. VALLEY, $4 to $5.

8c. to 30c. AM. BEAUTY, SAME AS 'MUMS, AS YOU WISH. 8c. to 30c.

'MUMS ANY PRICE YOU WANT, NAME IT, 4c. to 40c.; WE DO THE REST.

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Chrysanthemum Show

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Headquarters for Everything that is A1 in the Cut Flower Trade.

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BRIDE	$3.00	to $4.00	ASPARAGUS	$40.00	to $60.00
MAID	3.00	to 4.00	SMILAX	12.00	to 15.00
METEOR	3.00	to 5.00	ADIANTUM	.75	to 1.00
PERLES	2.00	to 4.00	LEUCOTHOE SPRAYS		1.00
ROSES, Our Selection		2.50	COMMON FERNS	.25	per 100
CARNATIONS, good	1.25	to 1.50	" "	2.00	per 1000
" fancy	2.00	to 2.50			
CARNATIONS, Our Selection		1.00			

WE REPRESENT MORE GLASS THAN ANY OTHER FIRM IN CHICAGO.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

JOHN DEAMUD says the Chicago florists should have a gun club and he is now in training for the first shoot.

THE Montreal Gardeners' and Florists' Club has inaugurated a series of contests at the exhilarating game of euchre.

At New York.

The regular club night on Monday, November 6, brought out a fair-sized and very jolly crowd at the Fifty-seventh street alleys. Alex. Burns brought with him the new ball recently won and was generous enough to allow everyone who pleased, to use it, expressing some misgivings, however, that some of the lower grade artists might teach the ball bad habits. He is giving it nightly lessons in cross-alley practice and expects eventually to make, in combination with it, after it gets trained down fine, an invincible record:

Player.	1st.	2d.	3d.	Av.
Burns	150	150	159	153
O'Mara	133	169	127	143
T. Lang	141	125	158	141
Traendly	132	130	156	139
Marshall	138	134	130	134
Schenck	102	122	151	125
J. Manda	132	122	120	125
W. Siebrecht	140	88	104	111
Bunyard	110	106	116	111
Buhler	107	91	124	107
Penman	88	127	107	107
Weathered	105	105		105
M. Bart	90	106	114	103
J. Lang	71	109	128	109
Stewart	106	105	86	99
J. Young	100	97		99

New York Defeats Flatbush.

The deciding game of the series between these two aggregations came off in Brooklyn on Saturday night, Novemher 4, on "neutral alleys." The first game was played with five men on each side, owing to late arrival of two players. It was a nice win for Flatbush and the New Yorkers were correspondingly dejected. Then something happened that was not down on the programme and which, had it happened elsewhere, say in Philadelphia, would have been deemed sufficient grounds for a claim of foul, for a big black cat coursed across the alleys and immediately the New York score took on a very different aspect and Flatbush went to pieces. The score below tells the tale of woe:

NEW YORK	1st	2d	3d	FLATBUSH	1st	2d	3d
Burns	128	139	115	Riley	156	117	146
O'Mara	134	137	157	Zeller	122	105	131
Traendly	101	179	168	Schmutz	127	103	86
Roehrs	99	176	142	Raynor	151	97	115
Lang	151	154	106	Daulledouze	140	118	110
Schenck		151	144	Mellis		134	157
Total	613	936	832	Total	696	674	745

During the progress of the above the following diversions were provided on a side alley:

Player	1st	2d	3d	Av
W. Siebrecht	158	109	137	135
Donlan		118	141	130
Le Moult	103	104	168	125
Marshall	131	123	115	123
Butterfield	103	147	110	120
Shaw	108	123	114	115
Penman	126		82	104
Stewart	96	92	104	96
Langjahr		78		78
Weir			64	64

The evening's festivities were concluded with the following free-for-all:

TAMMANYS.		MAZETS.	
Traendly	126	Roehrs	133
O'Mara	128	Burns	138
Lang	157	Schenck	137
Marshall	128	LeMoult	78
Schmutz	112	Siebrecht	111
Stewart	130	Weir	92
Langjahr	81	Penman	102
Total	872	Total	791

Chicago Defeats Milwaukee.

There was much animation on Anson's alleys last Wednesday evening, when the Milwaukee bowlers succumbed to the Chicago team. The contest was to be decided in favor of the winner of two in three games, but Chicago won all three by a margin of 338. For the home bowlers Geo. Asmus made high score with 190 and best average with 170, while Wm. Edlefsen rolled the best game for Milwaukee, scoring 178, with an average of 150. The scores in detail follow:

MILWAUKEE.

Player	1st	2d	3d	Av
C. C. Pollworth	134	152	146	144
Wm. Edlefsen	119	153	178	150
W. A. Kennedy	115	110	114	113
Otto Sylvester	141	126	128	132
Nick Zweifel	131	125	118	125
Alex Klokner	139	146	122	136
Fred Holton	108	138	138	128
H. V. Hunkel	123	161	162	149
Total	1010	1111	1106	

CHICAGO.

Player	1st	2d	3d	Av
Geo. Stollery	152	157	144	151
Ed. Winterson	146	161	160	156
Fred. Stollery	182	163	154	166
Phil. Hauswirth	104	174	104	127
John Degnan	146	175	167	163
Alex Henderson	144	147	157	149
Chas. Balluff	114	102	103	106
Geo. Asmus	153	190	166	170
Total	1141	1269	1155	

After the contest the party of twenty-two adjourned to the Blue Ribbon restaurant, where the participants indulged in good cheer, speeches and music until a late hour.

The scores at regular practice Friday evening, November 3, were as follows:

Player	1st	2d	3d	4th	Av
Henderson	150	153	170	166	160
Degnan	156	148	144	147	149
Winterson	126	124	170	174	149
Balluff	126	135	130	170	140
Hartshorne	133				133
Kreitling	135	120			128
Vaughan	119				119
Swiger	111				111
Kelday	87				87

At Denver.

A strong club of bowlers was organized on October 14, there being fourteen charter members. We bowled our first game of the season on October 18 and the appended scores will show that several of the boys have not forgotten where to hit the head pin:

Player	1st	2d	3d	Av.
Chas. Mauff	230	157	212	200
J. N. Jakobsen	188	196	169	185
John Berry	210	151	174	177
A. E. Mauff	172	175	175	174
John Ferris	196	140	168	168
Geo. Breukert	184	155	158	166
C. J. Thiess	156	109	220	162
Chas. Webb	176	145	153	158
Geo. Zimmer	179	156	125	157
Chas. Franz	169	112	137	136
Robt. Kurth	144	127	142	134
O. Freeburg		130	99	114

The following is the score recorded October 25:

Player	1st	2d	3d	Av.
Chas. Mauff	176	186	177	180
J. N. Jakobsen	176	159	202	177
P. C. Gallup	154	147	207	169
C. J. Thiess	215	120	153	159
Robt. Kurth	151	124	199	158
Geo. Brenkert	165	176	183	155
John Berry	136	147	178	154
A. E. Mauff	155	140	157	151
Geo. Zimmer	123	183	128	145
A. M. Lewis	146	131	143	140
Chas. Franz	150	120	153	139
Wm. A. Doyle	150	146	122	139
John Ferris	138	90	118	115
J. A. Valentine		124	103	113
Ernest Flohr	118	102	115	112
Olie Greeburg	71	125	99	98
Wm. L. Lingenbriuk	61	82	142	95

The following is the record of the evening of October 31:

Player	1st	2d	3d	Av.
Chas. Mauff	121	233	167	194
J. N. Jakobsen	180	175	170	175
Chas. Franz	174	185	153	171
John Berry	140	135	210	162
A. M. Lewis	153	137	169	153
John Ferris	197	142	112	150
Robt. Kurth	152	161	130	148
Geo Brenkert	159	181	103	148
Chas. J. Thiess	136	149	153	148
J. A. Valentine			142	142
P. C. Gallup	112	163	144	140
Ernest Flohr	116	126	162	135
W. A. Doyle	144	103	152	133
Lyle Waterbury	134	112	133	126
Geo. Zimmer	125	117	125	122
N. A. Benson	94	103	108	102

TAUNTON, MASS.,—F. O. Willard is wiring his greenhouses for electric lighting.

NEW HAVEN, CONN.—E. J. Morse is building two large iron houses for violets and carnations. They will be heated with hot water.



Green AND Holly, Xmas Trees

Gathered under the supervision of our own men, experienced hands, that for the past ten years have done their share to make us absolutely headquarters for Xmas decorations.

Evergreen Wreathing, Holly Wreaths, Mistletoe, Etc.

The right kind at the right price, and last, but not least,

The mark, W. W. B. & Co., on case is an absolute guarantee for select quality. at the right time. Send us your list of wants for BOTTOM FIGURES.

W. W. BARNARD & CO.,

161 and 163 East Kinzie Street, CHICAGO.

Please mention the American Florist when writing.

Samuel S. Pennock,

WHOLESALE FLORIST,

1612-14-16-18 Ludlow St., PHILADELPHIA.

American Beauties. We handle half the cut which comes to this market.

Liberty! THE NEW ROSE. We are handling the entire cut of Robert Scott & Son.

We are offering a select stock of BRIDES, BRIDESMAIDS, KAISERINS and other Tea Roses, and would be glad to quote special prices. Other flowers in abundance at all times.

UNTIL FURTHER NOTICE WE WILL BE OPEN FROM 6 A. M. UNTIL 11 P. M.

JULIUS LANG,

Commission DEALER IN Cut Flowers

Supplies the trade with the choicest grades of all varieties at prevailing Wholesale Prices.

CHRYSANTHEMUMS in large supply and finest assortment now.

ROSES and CARNATIONS in Standard and Fancy varieties.

MIGNONETTE, Ferns, Smilax, Asparagus all the year round.

Large daily receipts of choice Violets and all bulbous stock.

GROWERS OF THESE GOODS ARE ASSURED OF A RELIABLE OUTLET FOR THEIR PRODUCT HERE.

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WE WANT BUYERS FOR CUT FLOWERS & EVERYTHING IN SEASON FROM ORDINARY & GRADES TO THE FINEST. & &

E. C. AMLING,

51 WABASH AVE., CHICAGO.

W. S. HEFFRON, MGR.

VIOLETS,

THE BEST TO BE HAD.

ROSES, CARNATIONS,

CHRYSANTHEMUMS

and all other seasonable stock in the market can be supplied on the best terms by

HOLTON & HUNKEL CO.,

MILWAUKEE, WIS.

THERE'S PROFIT IN

FLOWER GROWING

IF YOU GROW THE RIGHT KIND AND YOU SEND THEM TO THE RIGHT DEALER.

You make no mistake if you consign your product regularly to John I. Raynor. You will be in good company, for the number of first-class growers sending their flowers to this establishment exceeds those in any similar place in New York City : : : : : : : :

THINK IT OVER.

ALL FLORISTS NOW KNOW THAT WHEN

American Beauty, Bride, Bridesmaid and Meteor Roses, Violets, Carnations, Chrysanthemums, Lily of the Valley or Mignonette

ARE WANTED, THE CREAM OF THE STOCK CAN ALWAYS BE FOUND AT

JOHN I. RAYNOR'S

WHOLESALE COMMISSION HOUSE,

49 WEST 28TH STREET,
NEW YORK.

TELEPHONE 1998 MADISON SQUARE.

Autumn at Miami, Fla.

With autumn rains comes added beauty of foliage and abundance of buds and bloom. Cannas seem to shoot up in a night and their great bouquets of flowers almost bend the stalk. America is now six feet high, with great branches of its odd-colored flowers and rich foliage almost black. Florence Vaughan, Surprise, Duke of Marlborough and several others are almost as tall, while we begin to wonder where Austria is going to stop. Little Florida is very dwarf but produces an abundance of bloom equal to its taller companions.

Canna flaccida, our native species and one of the parents of Italy and Austria, planted near the latter varieties, holds its own for beauty of flower, fine foliage and abundance of bloom. Nothing could be prettier than its orchid-like flowers of an exquisite shade of yellow.

Clerodendron fragrans fills the air with its rich perfume, the plants being loaded with its great trusses of pretty white flowers. It is well named. The royal poincianas are done blooming; only their beautiful foliage is to be seen now. This is one of the most beautiful of trees, but, as it always blooms in June and July, is never seen in its greatest beauty by the winter tourists. But the dwarf variety does not have this fault. There are two varieties of the dwarf Poinciana pulcherrima. One has orange and red flowers, the other clear yellow flowers, and they grow and bloom the whole year and seem as much at home here as in their native place.

Truck gardening is the topic and business of the day here now. Tomatoes are being set in lots of from one acre to 100 acres. Egg plants are in bloom; as this is below the frost line, this fruit will be shipped from here all winter. Cucumbers are being planted, also sweet peppers in acre lots. If Jack Frost don't get out of his usual latitude this winter there will be thousands of car loads of vegetables shipped from this country.

This is a great winter tourists' city, the season beginning about January 10, at the opening of the Royal Palm Hotel, and closing about April 10. Dickerson & Belden, the florists, are preparing for the cut flower trade, having built slat houses (we don't need glass houses here) and have planted out carnations, roses, smilax, asparagus and other stock.

There is a United States experiment station here and several hundred Bermuda lily bulbs have been sent down for experiment. It is thought these bulbs can be successfully propagated in our rich hummock land. All varieties of crinums and amaryllises grow and increase here with little or no care.

Dickerson & Belden have just received several thousand Pancratium Caribæum bulbs from one of the Keys. They are a clean, well shaped lot of bulbs, and as they are winter bloomers should be very popular as a pot plant. The foliage is handsome, making the plant an ornament even when not crowned with its great bouquets of snowy, fragrant flowers. POINCIANA.

MONTCLAIR, N. J.—A. D. Rose made a fine showing of chrysanthemums November 8 to 11 and attracted many visitors.

ELMORE, O.—H. W. Rymers has just completed an addition 8x60 for propagating purposes. It is heated by a coil eight feet long placed beside the tubular boiler.

Kift's Adjustable Hanging Flower Vase and Plant Holder.

Ornamental, practical and useful; just the thing for short-stemmed flowers such as violets, orchids, valley, etc. Indispensable for show window and house decorations. The clasps are adjustable and can be placed in any position or angle. The fixture is made of solid brass, heavily nickel-plated and is practically indestructible. A larger size for five to six-inch potted plants, such as Adiantum Farleyense, Cyclamens, etc., shows these plants to the best possible advantage.

Kift's Individual Cut Flower Vase...

A pointed glass tube fitted with a perforated rubber cap, through which the stem of the flower is placed. The cap holds the vase and the flower firmly together and prevents the escape of water in the tube, no matter at what angle it is placed. Useful for keeping flowers when sprayed on dinner tables, for basket handles, for orchid sprays which can be inserted in pots of Farleyense, etc., and is useful for hosts of decorative effects.

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YOUNG & NUGENT,

WHOLESALE

Commission Florists.

SUPERB VIOLETS.

ORCHIDS, ROSES, CARNATIONS.

42 West 28th Street,

Telephone 2065 Madison Sqr. NEW YORK CITY.

GIVE US LIBERTY

Will be the cry when the plants are all sold.

Our stock of **LIBERTY**, the greatest crimson scarlet Rose ever introduced, **IS ALL SOLD FOR MARCH DELIVERY.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock, should order at once.

OWN ROOT PLANTS, from 2½-inch po's

50 plants or more, and less than 100, 30 cts. each
100 plants and up to 1000, 25 cts. each
1000 plants and over, $200 per 1000
3-inch pot plants, 5c each additional.

GRAFTED PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 50 cts. each
100 plants and up to 1000, 40 cts. each
1000 plants or more, $350 per 1000
3-inch pot plants, 5c each additional.

ROBERT SCOTT & SON, Sharon Hill, Delaware Co., Pa.

Eastern Agents, ROBT. CRAIG & SON, 49th & Market Sts., Philadelphia, Pa.

Western Agents, BASSETT & WASHBURN, 76-78 Wabash Ave., Chicago, Ill.

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known all over this country for their success in special lines have continued for years, without interruption, to consign their product to, and find a satisfactory market through, the commission house of

John Young

51 West 28th Street..... New York.

Buyers of flowers can at all seasons procure at this establishment the best stock produced, of roses, carnations, orchids, etc. The New York outlet for the flowers of Carl Jurgens, the most extensive bulb forcer in America. Receiving now, Chrysanthemums in all grades, for ordinary or exhibition demands.

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Orchids, Roses, Fancy Carnations, Violets and Chrysanthemums.

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I can fill your order for choice stock of the most popular flowers.
AMERICAN BEAUTIES, METEORS, BRIDES, BRIDESMAIDS, high grade CARNATIONS and the finest VIOLETS.
Use my new telegraph code, it will save you money, free to customers.
A few more consignors of first-class stock solicited.
Long distance 'phone.

EDWARD REID, Wholesale Florist, 1526 Ranstead Street, above Chestnut, **PHILADELPHIA, PA.**

At the Great Cut Flower Market.

FRANK MILLANG

Does a whole day's business every morning before the sun rises. A big crowd of early buyers. Consignments quickly cleaned up at daily market rates.

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The "Ferry Market."

Chrysanthemums By the Thousand

are being shipped daily to

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and they all find ready sale.

GROWERS OF

Roses, Carnations, Violets and Smilax

find here the best wholesale flower market in New York.

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How About HOLLY?

If you ordered from SUTHERLAND last year, you'll do it again this year : : : : :

If you ordered elsewhere, perhaps there was trouble : : : : : : : : : : : : : : : : :
It will save you trouble, you'll be sure of

Getting What You Order and When You Want It

If your order is filed at SUTHERLAND'S in good season. That's our record and we shall keep it up. : : : : : : : : : : : :

Can quote you prices now on first quality, full berried, bright foliage, full size cases.

George A. Sutherland,

FLOWERS and FLORISTS' SUPPLIES

67 Bromfield St., Boston, Mass.

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Roses, Carnations, Chrysanthemums

and all other choice Cut Flowers to

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48 West 29th Street
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This establishment is frequented daily by the representatives of all the prominent florist stores in the city and vicinity. We get full market value, and make prompt and careful returns.

GIVE US A CALL.

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OUR LIST OF PRIZE WINNERS AT THE FLOWER SHOW.

ROSES.

AMERICAN BEAUTIES	1st Prize	METEORS	1st Prize
BRIDES	1st "	PERLES	1st "
BRIDESMAIDS	1st "	KAISERIN	2nd "

CARNATIONS.

FLORA HILL, white	1st Prize	PSYCHE, striped	1st Prize
MARY WOOD, "	1st "	GOLD NUGGET, yellow	1st "
JUBILEE, red	1st "	PAINTED LADY, dark pink	1st "
McBURNEY, pink	1st "	WHITE CLOUD, white	2nd "
FRANCES JOOST, pink	1st "	TRIUMPH, pink	2nd "
WM. SCOTT, "	1st "	G H. CRANE, red	2nd "
LESLIE PAUL, "	1st "	CERISE QUEEN, deep pink	2nd "
MRS. BRADT, striped	1st "	RED MRS. BRADT, red	2nd "

16 Entries and 16 Prizes in Carnations.

OUR FLOWERS AND OUR FACILITIES ARE OF THE HIGHEST GRADE.

BASSETT & WASHBURN, GREENHOUSES, HINSDALE, ILL. STORE, 76 & 78 Wabash Ave., CHICAGO.

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THE LATEST AND BEST. NO LABOR REQUIRED
HARMLESS TO BLOOM AND FOLIAGE. LEAVES NO DEPOSIT.

A Certain Killer of

RED SPIDER, GREENFLY AND ALL OTHER INSECT PESTS.

Sold in Tins. Ask Your Seedsman for It. Manufactured by

THE TOBACCO WAREHOUSING AND TRADING CO.,

LOUISVILLE, KY.

St. Louis.

TRADE IS DULL. — SURPLUSES IN MANY LINES.—SCARCITY OF BEAUTIES.—PLANS FOR THE SHOW.—THE SHAW BANQUET. —BOWLING.

The condition of trade is not as satisfactory as last week and there is not enough business to exhaust the supply of flowers that is being brought into this market. Chrysanthemums, of course, are the favorite flowers now but the very choice varieties are the only ones that sell well; $3 per dozen is the price. Other grades are sold at $1.50 to $2. Some of the best blooms that are seen could be classed as show stock. The roses that are coming in are of an improved quality and the best sell at $5 per 100, the glut being in Brides and Bridesmaids; these are selling in job lots at $10 per 1000. Only a few good Beauties are to be had without sending out of town. This is a good market for fine Beauties, as they are always in good demand. Violets have been in favor the past week and Californias were scarce; small single are more plentiful but not so much called for. Carnations sell well and the bulk of them are unsurpassed in quality. Dayhreak and Scott are very fine. Whites have had poor sale while good reds are scarce; the bulk of them sell at $1 per 100, some extra fancies going as high as $2. The cause of so many white carnations being on hand is that the dealers use small white chrysanthemums because they are cheaper, but they do not make the work look so good. Lily of the valley is very fine now and has a pretty fair sale at $4 to $5. Romans have not made their appearance yet, though some are expected by next week and will command a good stiff price.

The committees in charge of the approaching exhibition at the coliseum is doing very effective work. Everything will be in readiness by the hour of opening on November 14, and judging from the system which prevails in all the preparations, the show will be a grand success. Emil Schray will again have charge of the books and the management of the show will, as usual, be in the hands of J. J. Beneke. A better pair of workers could not be found. All the members of the club should lend a helping hand and relieve the managers of some of the burden that rests on their shoulders.

The annual Shaw banquet to florists, nurserymen and gardeners takes place Saturday night, November 18, at the Mercantile Club. This is the closing night of the show and is an inconvenient date for some of the guests.

The bowlers are having a good time these cool evenings. The older club bowls on Monday night at the new alleys and the juniors roll on Tuesday night at the old alleys at Sixth and Pine streets. I was in hopes to see a match game by this time between the two clubs but nothing has come of it as yet.

S. S. Skidelsky, representing several eastern firms, was in town recently.

LOUISIANA.

AVONDALE, Pa.— W. R. Shelmire, formerly in business here, has taken a position with Robert Simpson, Clifton, N. J.

DALLAS, TEX.—Business is picking up and American Beauties are in great demand, being shipped in from Chicago, St. Louis and Pleasant Hill, Mo. Recently Ernst Nitsche supplied 4,000 Beauties on an order occasioned by the opening of Linz Bros.' jewelry store.

DUTCH HYACINTHS.

SINGLE AND DOUBLE.

Named Varieties, large bulbs, all shades, leading and best kinds. suitable for pots and forcing, per 100, **$4.75** per 1000, **$45.00.**
Bedding Hyacinths, to color, Red, White and Blue, per 100, **$4.00;** per 1000, **$37.50.**
Bedding Hyacinths, all colors mixed, per 100, **$3.00;** per 1000, **$28 00.**
Dutch Romans, named kinds, all colors, fine for pots, per 100, **$2.25;** per 1000, **$18.00.**

***TULIPS*—Single.**

John Stein, white.
Pigeon, white.
La Immaculee, white.
Cardinal's Hat, scarlet.
Fireflame, red.
Artus, scarlet.
Bizarre Verdict, striped.
Crimson King. Duchesse de Parma, brown.
Lac Von Rhyn, violet.
Arma of Leyden, rose.
Purple Crown, purple.
Bachus, deep red.
Yellow Crown, yellow.

All the above, per 100, **75** cts.; per 1000, **$6.00.**

	Per 100	Per 1000
Keiserskroon	$1.00	$ 9.50
Duc Van Thol, scarlet	.85	7.00
Duc Van Thol, white	1.75	16.00
Pottebakker, yellow	$2.00	$18.00
Wouwerman	1.00	8.00
Rosamundi	1.00	9.00
Finest Single, mixed	.60	5.50

TULIPS DOUBLE.

	Per 100	Per 1000
La Candeur	$0.80	$7,00
Pæony Red	1.00	9.00
Salvator Rosa	2.75	24.00
Murillo	$2.25	$18.00
Yellow Rose	1.10	10.00
Finest Double, mxd	.75	7.00

NARCISSUS

CHINESE SACRED. First size bulbs		$4.00
Von Sion, large selected bulbs, 1¼ to 1½ in. diameter		1.50
Giant Princeps, large single Trumpet		1.00
Double Roman		6.50
		$35.00
		14.50
		9.50

CALLA LILIES { 4½ to 5¼ inches around, per 100, **$4.50**; 3 to 4½ inches around, " **3.50**; 6 to 7 inches around, " **7.50** } Perfect Selected California Roots.

LILY OF THE VALLEY, select pips, cold storage, per 1000, **$12.50**
FREESIA REFRACTA ALBA, large ½ inch bulbs, " **5.50**
LILIUM LONGIFLORUM—
Japan Bulbs, 6 to 8 inches around, **$5.00** per 100; **$40.00** per 1000
" 7 to 9 " **7.50** " **60.00** "
" 9 to 10 " **11.00** "

CLUCAS & BODDINGTON CO.,
342 WEST 14th STREET, Telephone 461 18th **N. Y. CITY.**
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

ESTABLISHED 1802

THORBURN'S SEEDS

CHINESE SACRED LILIES

SPLENDID LARGE BULBS,
$4.00 per basket of 100.

FINEST
LILY OF THE VALLEY PIPS.
Send for quotations.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

Pandanus Veitchii

Extra fine stock in 6-inch pots, $1.00 each.

Cannas in all the leading varieties at lowest rates if ordered now.

Carnation CUTTINGS Ready soon.

W. W. COLES,
Kokomo, Ind.

Please mention the American Florist when writing.

PLUMS, Two Years.
5 to 6 feet, ¾ up $80.00
5 to 6 feet, ⅝ to ¾ 70.00
Abundance, Burbank, Jefferson, Lombard, Niagara.

APPLE SEEDLINGS (Home Grown.)
2-16 to 3-16 $3.00

APPLE GRAFTS.
No. 1. Straight Root 3.00
No. 1. Whole Root Branched 5.00
Our grafts are put up by workmen of long experience and will be packed in moss within frost-proof cases. We will quote special prices on Apples, Peaches, Pears, Asparagus and all small fruit plants, fruit tree stocks and seeds and guarantee our prices as low as the grade of stock can can be purchased.
BOXING AND BALING FREE.— This fact should be considered in comparing our prices with those who charge for boxing. TERMS CASH.
CORRESPONDENCE SOLICITED.
Address and make all orders payable to
THE CASSEL NURSERY CO., - North Clayton, Ohio.
Please mention the American Florist when writing.

JAPAN LIL. LONGIFLORUM. 5000 bulbs. 6-8, @ $39.00 per 1000. 15,000 Chinese Narcissus Bulbs @ $32.50 per 1000. 14,000 Fresh Kentia Belmoreana Seeds, @ 4.00 per 1000.
WINDSOR FLOWER SEED CO.,
No. 2 Milwaukee Ave., DETROIT, MICH.
Please mention the American Florist when writing.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Olympia...

THE FINEST OF ALL NEW CARNATIONS FOR 1900. Admiral Dewey's Flag-Ship, THE OLYMPIA, is the most popular boat afloat, and this grand flower, its namesake, will certainly be the most popular variety ever introduced. Its distinctive merits are:

SIZE: The largest variety ever introduced.

FORM: The ideal, the lower petals averaging 1¾ inches in width; smooth edges, with the center well built up.

COLOR: A beautiful glossy white, with delicate pencilings of clear scarlet running through the petals, but much less red in it than in Mrs. G. M. Bradt, and without the objectionable features of that variety, making it the most beautiful variegated variety ever introduced.

FRAGRANCE: Is delicately sweet.

STEM: Under ordinary circumstances is 2 to 2½ feet, strong enough to carry its heavy flower.

KEEPING QUALITIES: Are unsurpassed.

FREEDOM OF FLOWERING: Tested alongside of Mrs. Bradt for two seasons, it has produced 28% more flowers in the seasons.

ITS HABIT: Is strong and vigorous and a continuous producer, lasting in good condition long after the hot weather in spring has practically ruined the quality of Mrs. Bradt.

CONSTITUTION: It is free from disease of any kind.

It has received seven certificates and the highest commendations wherever exhibited. Extra strong well rooted cuttings ready from February 15th, 1900, and onward at, **$2.00 per doz., $12.00 per 100; $100.00 per 1,000. 25 at 100 Rates; 250 at 1,000 rates.**

Orders now being booked which will be filled in strict rotation.

I can also furnish early stock of THE MARQUIS and MRS. THOMAS W. LAWSON, at advertised rates.

JOHN N. MAY, Summit, New Jersey.

..AZALEAS..



WE are now filling orders for Azaleas, importations of which have arrived in excellent condition. Import prices will hold good as long as the stock is not potted; the varieties we supply are the most popular sorts suited to the American market and we can give you any proportion you wish in the four leaders.....

Mme. Vander Cruyssen, Vervæneana, Deutsche Perle and **Bernhardt's Andrea Alba.**

Personal inspection of the stock in Belgium, through our own representatives, enables us to offer the best stock obtainable at bottom prices.

Order now and save heavy express charges later on, as shipments can at this time be made safely by freight.

FINE BUSHY CROWNS, well set with buds—

10 to 12 inches in diameter.....	$4.50 per doz.;	$35.00 per 100	
12 to 14 " "	6.00 "	45.00 "	
14 to 16 " "	7.50 "	55.00 "	

SPECIMEN PLANTS, of the leading varieties—$1.00, $2.00, $2.50 and $3.00 each, according to size.

Henry A. Dreer, 714 Chestnut St., PHILADELPHIA.

BOUQUET GREEN.

Best quality at lowest rates. We gather our own greens and bring by our own boat direct. Also CHRISTMAS TREES.

Northern Michigan Evergreen Nursery,
SCHOONER MARY COLLINS. - S. W. Cor. Clark St.,
H. Schueneman, Capt. Bridge, CHICAGO.
Please mention the American Florist when writing.

THE BOSTON FERN A Specialty.

Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.
L. H. FOSTER, 45 King St., DORCHESTER, MASS.
Please mention the American Florist when writing.

Leather Bound

copies of the new edition of our DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada, arranged both by states and towns and alphabetically. Price, $3.00; in board covers, $2.00.

American Florist Company,
324 Dearborn Street, Chicago.

Helpful Reminders.

Planting bulbs outside for your customers and inside for cutting must be put off no longer. A bulb bed should be deeply dug, in rich soil of such texture as not to become hard, so that water will quickly pass through to the subsoil. Saturated soil next to bulbs is detrimental. The conditions are always most suitable as soon as the forest trees shed their foliage, as they do after a good October rain. This we have had; get your bulbs in immediately and cover the beds with dried leaves fastened by laying on some long straw with a few cords drawn across. Do not press the covering down. It will protect the bulbs from early frosts, insuring time for rooting well, after which they freeze more or less, the covering preventing the sun from thawing them out before you wish, holding them in cold storage, as it were. In preparing bulbs for inside growth, keep the same conditions in mind, whether putting in flats or pots. Have them spread out on grouud that will keep them moist and with a covering that will husband up the warmth and moisture of the soil below.

Do not forget that Spanish iris is very beautiful and the bulbs are inexpensive. For April, May and June blooming, no orchid will surpass them. Plant one inch apart in flats set on the ground outside; cover with three inches of soil and two feet of straw. Do not bring the first batch into the house before February and do not give them more than 45° of heat, for they must come slowly. Those which you bring in during March and April may have 50° to 55°; the last batch leave outside to bloom.

Cypripedium insigne is now ready to make flower buds. A few put into 60° of heat will come in nicely for Christmas; for later blooming hold them in a cooler house.

Be sure you have plenty of good potting soil on hand to go through the winter. C. B. W.

STAMFORD, CONN.—Mrs. M. A. Free, we regret to learn, is ill in a New York hospital.

SHILOH, O.—G. Guy Swanger has erected a new violet house 10x70 feet and a carnation house 20x117.

DENVER, COL.—Wm. Lingenbrink, who was formerly in the retail line at 519 Olive street, St. Louis, has opened a commission house here and is starting in with every prospect of success.

NATURAL TENNESSEE

PEACH SEED FOR NURSERYMEN.

I have procured a limited supply of Genuine Natural Tennessee Peach Seed, crop of '98. As there is positively no crop this season, this seed is as good as new seed and can be depended on. Beware of so-called "natural seed, growth of '99." Send for prices and sample.

CHAS. BLACK, HIGHTSTOWN, N. J.

SEE THIS PRICE!

500 3-in. *MAIDS* for forcing or pot sales. Worth $5 per 100. We close them at **$3.00.**

100 Maids, 2¼-in., at $2.50; choice stock.

CARNATIONS, rooted cuttings of best varieties of Carnations at $1.00 per 100.

Place orders now.

W. H. GULLETT & SONS, Lincoln, Ill.

Please mention the American Florist when writing.

WANTED.

A violet grower to supply regularly each day, throughout the season, first-class violets. 4000 and upwards a week. Address L, care Eastern Office, 67 Bromfield St., Boston.

GERANIUM NOVELTIES FOR 1900

The Finest Collection in America.

A set of Selected DOUBLE BEDDERS
A set of Selected SINGLE BEDDERS
A set of Selected FANCY DOUBLES
A set of Selected MAMMOTH FANCY SINGLES
A STRIKING set of IVY LEAVED VARIETIES
A full line of the introductions of 1899 in all the above sections
A full line of Selected STANDARD BEDDERS

If You wish to be with the Leaders in Bedding Plants order your stock from

The Cottage Gardens, C. W. WARD, Mgr. **Queens, L. I.**

Delaware Holly of the Best Grade from the Swamps, with Bright Green Foliage and well Berried.

Orders will now be received for shipments which will go forward freshly packed at the proper time. For prices and terms, address—

ALEX. PULLEN, = Milford, Del.

MILFORD NURSERIES.

Please mention the American Florist when writing.

Green NEW CROP NOW READY **Galax**

Finest FROM **Bronze** COLD STORAGE.

For prices address the Introducer,

HARLAN P. KELSEY,

1106 Tremont Bldg., BOSTON, MASS.

GRAND NEW LARGE-FLOWERED

Lily of the Valley

"FORTIN VARIETY."

Price and particulars on application.

H. A. BUNYARD,

42 West 28th Street, NEW YORK CITY.

WANTED.

Twelve thousand VIOLETS a week, to be delivered daily. Cash ready at all times.

JOHN S. NICHOLAS,

37 E. 42nd Street, NEW YORK CITY.

EFFICIENCY



There are fakirs in the Smilax business too.

DEAR SIR:—When the plea of *light expense* which is so often used in cautioning Smilax buyers against the man who has built packing houses and telephone lines to further his business, the Peddler or Fakir is found to be the ideal, while the man with all improvements in his line of business, is the man to be avoided.

IT'S USELESS TO DENY IT.

I am under heavy expenses, but when my esteemed competitors advertise the fact I believe they really help me.

From my point of view *expense* is another name for *efficiency*. For instance, I have the only packing house built especially for this line of trade; I have double the number of employes of any of my competitors, but I submit these facts as a *guarantee of better service.*

I would like to have you visit my offices and see what my expense would do for you in the case of a rush order.

I may never have the pleasure of seeing you, but you can test my efficiency by sending your orders for honest packed, clean, crisp cases of Smilax at $2 per case to Yours truly,

CALDWELL, The Woodsman, EVERGREEN, ALA.

P. S.—Five cases and less go out same day order is received. Larger orders twenty-four hours grace expected. *Our beautiful art catalogue now ready.*



ANNOUNCEMENT

Owing to the phenomenal sale of Liberty, I am compelled to announce that all orders coming in after this date can only be filled in April or later, my stock for March delivery being all sold. All orders will be filled strictly in rotation; first come first served, but BEWARE OF BUYING THE MOCK LIBERTY; IT IS WORTHLESS as a cut flower, being only semi-double. The rose has been known in Germany for the last two years as "Gruss an Teplitz."

Our Agents:

VAUGHAN'S SEED STORE,
Chicago, Ill.

J. N. MAY,
Summit, N. J.

F. R. PIERSON CO.,
Tarrytown-on-Hudson, N. Y.

The Grand New Rose LIBERTY!

Most nearly approached by Meteor in color, but far surpassing that standard variety in brilliancy and purity of color, as well as in size, never showing any deformed, black or bull heads, either in winter or summer, and far surpassing Meteor in freedom of bloom. A remarkable keeper when cut, keeping its brilliancy of color without turning blue or dropping its petals, as is the case with Gen. Jacqueminot, which it somewhat resembles in size and fragrance.

I hereby extend a cordial invitation to all lovers of the Queen of Flowers to come and see Liberty growing

PRICES ARE AS FOLLOWS FOR A1 STOCK:

OWN ROOTED PLANTS IN 2½-IN. POTS:		
12 plants	$0.60	each
25 "	.50	"
50 "	.30	"
100 "	.25	"
1000 "	.20	"

GRAFTED PLANTS IN 2½-IN. POTS:		
12 plants	$0.75	each
25 "	.60	"
50 "	.50	"
100 "	.40	"
1000 "	.35	"

SATISFACTORY REFERENCE OR DEPOSIT FROM ALL UNKNOWN CORRESPONDENTS.

E. G. Asmus, West Hoboken, N. J.

Denver.

AUTUMN LITTLE IN EVIDENCE AT THE COLORADO METROPOLIS.—STATE OF THE MARKET.—PROSPEROUS SEASON USHERED IN BY FALL CARNIVAL.

Jack Frost was never so slow with his nips, walking by with his hands in his pockets, as it were, and only showing a tight breath from his nostrils, touching tender things and skipping halt hardy verdure. Chrysanthemums are, of course, the proper things for decorations for the next six weeks and are abundant and good. Carnations are scarce, not sufficient to supply the demand, while roses go a-begging, as they always do during the chrysanthemum season.

Our fall carnival opens the gay season here, the leading feature being the ball of the Silver Serpents which was given in the Broadway Theatre. The Gallup Floral Co. outdid themselves in the decorations this year, using American Beauty and a profusion of southern smilax and palms. The winter bids fair to be a gay one and the stock of the florists will not go begging. Autumn leaves and fall colors have been much in favor but these will soon give place to the usual winter stock. C. R. G.

DESMOINES, IA.—The J. M. Clark Co. incorporated with $10,000 capital to manufacture wire frames.

MALDEN, MASS.—E. D. Kaulback is adding the recently purchased Taylor greenhouses, at Melrose, to his establishment here.

BROCKVILLE, ONT.—J. Hay & Sons gave a chrysanthemum "at home" on November 9, 10 and 11 at their greenhouses at King and Bethune streets. There were many guests.

A. HERRMANN

Offers

SPECIAL

Cape Flowers,

IN COLORS.

Cycas Leaves,

FINEST QUALITY.

Metal Designs,

THE LAGEST STOCK IN THE COUNTRY.

PRICES ALL RIGHT.
Send for a Catalogue.

MANUFACTURER OF ALL

Florists' Supplies.

404-412 *East 34th Street,* New York City

40,000 'MUMS

We are now, and will be during the Chrysanthemum season, marketing the entire cut of one of the largest growers about Chicago, 40,000 first-class flowers, A1 in every respect.

We are exclusively **Rose Growers** and can supply the best qualities, including American Beauty, at all times.

We are also in a position to fill orders for the most popular varieties of **Carnations.**

All orders shipped at market prices within two hours of receipt.

..THE..
VARIETIES.

PINK.
Glory of Pacific,
Maud Dean,
Mrs. E. G. Hill.

YELLOW.
Yellow Queen,
Major Bonnaffon,
Golden Wedding.

WHITE.
Fee du Champsaur,
Mrs. Jerome Jones,
Frank Hardy,
W. H. Chadwick,
Wanamaker,
Mayflower,
Ivory.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

When writing mention the American Florist.

800,000 FEET OF GLASS.

REIBERG BROS.

Wholesale Growers of

CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

Wholesale Price List.

AMERICAN BEAUTY		
Extra long stem.....	per doz.,	$3.00 to $4.00
24-in. stem.....	"	2.50
20 "	"	2.00
15 "	"	1.50
10 "	"	1.00
Short.....	"	.75
METEOR.....	per 100,	4.00 to 6.00
BRIDESMAID.....	"	4.00 to 6.00
BRIDE.....	"	4.00 to 6.00
LA FRANCE.....	"	5.00 to 6.00
PERLE.....	"	3.00 to 4.00
KAISERIN.....	"	4.00 to 6.00
GOLDEN GATE.....	"	6.00 to 8.00
CARNATIONS, ordinary.	"	1.50
" fancy....	"	2.00 to 3.00
'MUMS, fancy....	per doz.	2.00 to 3.00
ordinary.	"	1.00 to 1.50

WE NOW CLOSE AT 6:30 P. M. SUNDAYS AND HOLIDAYS AT NOON.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY		
30-36 in. stem.....	per doz.	$3.50 to $4.00
24 "	"	2.50 to 3.00
20 "	"	2.50
15 "	"	2.00
12 "	"	1.50
8 "	"	1.00
METEOR.....	per 100	$4.00 to $5.00
BRIDESMAID.....	"	3.00 to 4.00
BRIDE.....	"	3.00 to 4.00
PERLE.....	"	3.00 to 4.00
CARNATIONS.....	"	1.50 to 2.00

Quotations subject to change without notice. All other stock at lowest market prices.

When writing mention the American Florist.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

Mrs. Thomas W. Lawson

The $30,000 Queen of **Carnations** For Spring Delivery

Commencing Feb. 1, 1900.

...PRICES...

Per dozen	$ 3.00
Per 100	14.00
Per 1,000	120.00
Per 5,000	500.00
Per 10,000	800.00

TERMS: Strictly cash or C. O. D. from unknown parties.

THE quoted prices are for the TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower

PETER FISHER, Ellis, Mass.

ADDRESS ALL CORRESPONDENCE AND MAKE ALL CHECKS, MONEY OR EXPRESS ORDERS PAYABLE TO

Thos. F. Galvin

124 Tremont Street, BOSTON, MASS.

Do You Grow Flowers?

If so, you can learn something to your interest by calling or writing to

J. K. Allen

Do you buy and sell flowers? Every variety of value that the market presents can be obtained from J. K. ALLEN. The old rule of courtesy to all, close attention to business, and prompt returns for all consigned flowers is the secret of Mr. Allen's success and of the growth of his business from an obscure beginning to the big establishment of to-day.

Heavy shipments of Chrysanthemums, Bride, Bridesmaid, Meteor and Perle roses, Carnations in all colors, Violets, Mignonette, Orchids, Lily of the Valley, Roman Hyacinths, Paper-White Narcissus, Smilax, Ferns and promiscuous flowers in great variety every day.

J. K. ALLEN,

57 W. 28th Street, = = = New York.

Close to Sixth Avenue Elevated Station.

TELEPHONE 167 MADISON SQUARE.

Benthey & Co.

F. F. BENTHEY, Manager.

WHOLESALE AND COMMISSION FLORISTS.

CONSIGNMENTS SOLICITED.

41 Randolph St., CHICAGO.

Choice Orchids Always in Stock.

PRICE LIST:

CHRYSANTHEMUMS, all leading sorts, extras.....$2.50 to $3.00 per doz.
Fine stock..... 1.00 to 2.00 "

AMERICAN BEAUTIES, extras	per doz.	$3.00 to $4.00		CARNATIONS, fancy	per 100,	$2.00 to $3.00	
" " long	"	2.50 to 3.00		" best long	"	1.00 to 1.50	
" " medium.	"	1.50 to 2.00		VIOLETS	"	.75 to 1.00	
METEORS, extras	per 100,	5.00		VALLEY	"	4.00 to 5.00	
" A1	"	3.00 to 4.00		SMILAX	"	12.00 to 15.00	
BRIDES and MAIDS, extras	"	5.00		ADIANTUM	"	.75	
" " A1	"	3.00 to 4.00		COMMON FERNS	per 1000,	1.50	
PERLES	"	3.00 to 4.00					

Foregoing prices subject to change without notice.



Are You Ready for the Christmas Rush?

THIS YEAR'S BUSINESS WILL BREAK THE RECORD. Look your stock over; don't wait until the week before. Now is the time. We have a full line of everything, the best in Florists' Supplies, which only awaits your order and selection to suit the special demands of your trade. You will need Immortelles—our special "Holly Red" is the correct color. Get a case at once and work them up. Don't forget the Moss Wreaths; they are great sellers when dotted thickly with Red Immortelles.

Increase your line of Pot Covers. They are sure to go with the plants at Christmas.

Have you tried Plant Baskets? Fill a pot for your holiday trade, tie a cluster of flowers on the handle with ribbon, and you will be surprised how they will sell. They were the special feature last Christmas in the large cities.

Try a few of our Violet Hampers; they will go quickly.

Keep up your stock of Wheat Sheaves. Our sheaves are the standard the country over. Also White Immortelles, Cape Flowers, Doves, Prepared Palm Leaves; all these you need every day.

No matter what you need in our line we can supply you as our catalogue will show; to be had for the asking.

M. RICE & CO.

MANUFACTURERS AND IMPORTERS OF FLORISTS' SUPPLIES,

918 Filbert Street, - - Philadelphia, Pa.

Warren, O.

George W. Gaskill, who has been ill since early in June is now able to be around but his clothes are not as tight as he would like to have them and he is not as strong as before he was compelled to live on milk. The tenth annual chrysanthemum show at Gaskill's greenhouses will take place next week. Neither plants nor cut blooms were ever in better shape than now. Trade is not very brisk and everybody has a surplus in nearly all lines.

A. T. Hoyt has completed his new houses and is now finishing the heating and ventilating apparatus, both of which are excellent. They are, of course, his own inventions.

John Adgate is cutting some very fine carnations; this flower is his specialty.

FRANKFORT, KY.—Munich & Craik have just completed a carnation house, a violet house and a palm house and are nicely equipped for good business.

LENOX, MASS.,—The annual chrysanthemum show of the Lenox Horticultural Society was held at Sedgwick Hall on Saturday evening, November 3. The display was unusually large and for general excellence it was pronounced the best exhibition the society has yet held.

WE HAVE

STANDARD BAYS

3 ft. diameter, handsome, well furnished specimens.

ALSO

ready to quote figures on **guaranteed** first-class

CHRISTMAS HOLLY.

N. F. McCarthy & Co.

JOBBERS IN ALL FLORISTS' GOODS,

84 Hawley Street,

Telephone 734. **BOSTON, MASS.**

CARNATIONS. **Orders booked now for 1900 delivery.**

G. H. CRANE. The most satisfactory scarlet ever placed on the market. One of our best productions. Early and very free. Destined to be the favorite

WHITE CLOUD. Conceded to be far ahead of any white Carnation grown to-day.

MRS. GEO. M. BRADT. A universal favorite. It will be the leader in its class for many years to come.

MACEO and GOMEZ. Two crimson varieties of special merit.

We have large stocks of the above varieties growing especially for our cutting trade, which insures good, strong cuttings.

WE HAVE ALL THE LEADING STANDARD VARIETIES....

Some 1900 Novelties at originators' prices. { CHICAGO and MRS. THOS. W. LAWSON.

F. DORNER & SONS CO., La Fayette, Ind.

CLEARY'S SALES

are running regularly.

Tuesday, Nov. 14th,

a big importation of **HOLLAND ROSES** and other good things. Come or send in your bids. Catalogues mailed to applicants.

CLEARY & CO., Horticultural Auctioneers,

60 Vesey Street, = = = NEW YORK.

ELECTROS

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock. Our collection includes the leading

ANNUALS
BIENNIALS
HARDY PERENNIALS
POT PLANTS
FLORISTS' FLOWERS
TREES AND SHRUBS
Also PARK AND GARDEN SCENERY.

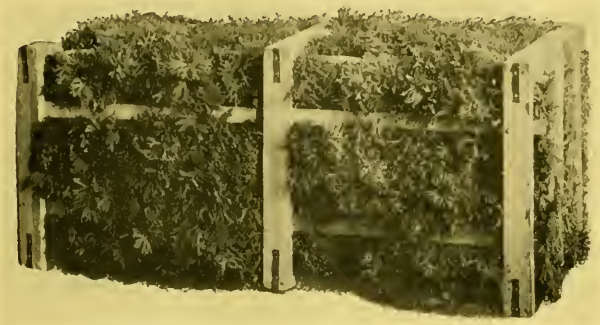
PRICE FOR CASH ONLY 15 CENTS PER SQUARE INCH

THE AMERICAN FLORIST CO.

.....324 Dearborn Street, CHICAGO, ILL.

Please mention the American Florist when writing.

VAUGHAN'S DEEPWOODS



Indian Picked **BOUQUET GREEN.**

FROM THE BEST NORTHERN GREEN DISTRICTS:
RED RIVER, LITTLE RIO RIVER, EVERGREEN CREEK and BLACK RIVER.

HOLLY...
Vaughan's XXX Brand.

DOUBLE INSPECTION
By our own employees, once at the woods, and again when shipped from our stores.

THE Holly situation changes nearly every year. For the last four years they've begun to bring it into the country towns like potatoes. Every man has taken to cutting his own—or some other man's Holly, and packs it well, badly or indifferently, or any old way. The result is very bad for the retail florist. When we first started the Holly business, in 1880, our buyer contracted for a man's grove and cut the best and sorted it himself, and established Vaughan's XXX Stock as a brand worth having. Some years it has been the best in the Market; all years it has been as good as any, its average is high, but we wondered why so many culls would show up when we inspected our car lots (to sell to peddlers at half rates) and last fall our Mr. Vaughan located this town market Holly system, and cut it off from our man. We are buying and packing our Holly in the woods ourselves, and it costs more money, but it is worth to the retailer a lot more than it costs. **A good case of Holly is easily worth Ten Dollars while cull stock can't be given away.**

We can suggest delivery dates which will keep you in good supply on the best days for selling Holly. Our prices are not advanced. How much can you use?

.....WE ARE PIONEER HANDLERS.....

OF INDIAN PICKED **BOUQUET GREEN** AND EVERGREEN WREATHING.

and shall be pleased to name latest quotations on CRATE or CARLOAD.

BARGAINS IN FORCING BULBS...

We are anxious to clean up our surplus bulb stock and will make prices that will pay you to invest in them. All of the following are in strictly **A No. 1** condition. Prices quoted upon application.

NAMED DUTCH ROMAN HYACINTHS.

GERTRUDE—Rose.	LA GRANDESSE—White.	CHARLES DICKENS—Blue.
GIGANTEA—Blush.	BLANCHARD—White.	GRAND MAITRE—Blue.
MADAM VANDERHOOP—White	PAIX DE L' EUROPE—White.	CZAR PETER—Blue.

Pure White, Blue, Red and Rose.

Roman Hyacinths, Italian: Roman Hyacinths, French, 11-12 Ctms: Callas, 1¼ inch; Lilium Harrisii 5-7 inch; Ornithogalum Arabicum; Freesias, Select; Narcissus, Incomparable, Double; Trumpet Major, Princeps, Jonquils Campernelles.

We also have a good general stock of Forcing and Bedding Bulbs.

CHRYSANTHEMUMS.

Stock Plants from Bench and from 5 and 6 inch pots.

NOVELTIES OF 1899.	CHOICE VARIETIES.	STANDARD VARIETIES.
Per doz., $3.00; per 100, $20.00.	**Per doz., $2.00; per 100, $15.00.**	**Per Dozen, $1.50; per 100, $10.00.**
Mrs. Trainor L. Park.	Wm. H. Chadwick.	Mrs. S. T. Murdock.
Adele.	Yellow Mrs. Jerome Jones.	Frank Hardy.
John K. Shaw.	Mrs. C. H. Pierce.	Western King.
Kuno.	Autumn Glory.	Liberty.
White Flyer.	Thornden.	Mrs. H. Robinson.
Zeno.	Snow Queen.	Miss. Agnes L. Dalskov.
Mlle. Lucie Faure.	Roht. G. Carey.	Marion Henderson.
		Penn-sylvania.
		Mrs. Perrin.
		Mrs. Jerome Jones.
		E. M. Bigelow.
		Yanoma.
		Major Bonnaffon.
		Mrs. O. P. Bassett.
		Mme. F. Bergmann.
		Ivory.
		Evangeline.
		Mayflower.
		Viviand-Morel.
		Joanna. Geo. W. Childs.

Vaughan's Giant-Flowered Cyclamen.

PURE WHITE (Mont Blanc).....	**Per 100 seeds, 75c.**
DARK CRIMSON.....	
ROSA VON MARIENTHAL, "Daybreak Pink"	**Per 1000 seeds, $5.00.**
DARK ROSE.....	250 seeds at the 1000 rate.
WHITE WITH CARMINE EYE.....	

NEW FRINGED WHITE. This is a selection made from the Mont Blanc. The flowers are larger, pure white with the edges of the petals undulated and somewhat fringed. A very beautiful flower. **Per 100 seeds, $1.25; per 1000, $10.00.**

BLOOD-RED. The flowers of this sort are not quite so large as those of above but they are produced even more freely while the color is of the deepest blood-red, very striking. **Per 100 seeds, $1.25.**

GIANT-FLOWERED CYCLAMEN. Extra Choice Mixed. This mixture is made up from the above separate colors and includes also some "Monstrosum", a strain with flowers of immense size, secured especially for this mixture. **Per 100 seeds, 50c.; 250 seeds for $1.15; 1000 seeds, $4.50; 5000 seeds, $20.**

"Vaughan's Best" Mixture of Verbenas.

This mixture contains all that is choice and desirable in Verbenas. It includes the Mammoth-Flowered strains of three celebrated Verbena specialists, the beautiful and dazzling Defiance, the Snow-White, Purples, Striped and all the Auricula-Flowered varieties, with their large umbels of white-eyed flowers, the New Giant Striped and Fordhook Mammoth Verbenas. We feel perfectly safe in stating that this mixture of Verbenas will eclipse every other strain offered by any other house. Oz., $2.00; ¼ oz., 60c; trade pkt., 25c.

Sweet Peas for Forcing.

Earliest of all, new, from 10 to 14 days earlier than Extra Early Blanche Ferry; standard bright pink, wings white. Oz., 15c.; ¼ lb., 30c.; lb., $1.00.

Emily Henderson, pure white, dwarf. Oz., 5c.; ¼ lb., 10c.; lb., 30c.

Extra Early Blanche Ferry, true. Oz., 5c.; ¼ lb., 15c.; lb., 40c.

Vinca rosea, rosea ll. alba, alba pura. Each, trade pkt., 15c., oz., 60c.

For other Flower seeds see **Vaughan's Book for Florists,** sent free to florists.

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

St. Paul.

OCTOBER TRADE WAS GREAT.—STATE OF THE MARKET.—POPULAR CARNATIONS.—A WEDDING.—MOVES OF THE GROWERS. AND VARIOUS JOTTINGS.

Trade has been remarkably good during October and we hear of no complaints. Roses are in good supply and worth from $3 to $4 per hundred at wholesale, retailing at $1 per dozen. Beauties are in brisk demand, the best retailing at $5. Carnations are still in short crop. A great many seconds and culls are to be seen. Flora Hill seems to be the leading white, Jubilee for red, Triumph and Victor for pink, with Mrs. Bradt for fancy. Daybreak still retains its popularity and is by many considered the most profitable carnation grown. Violets of fair quality are now in and meet with ready sale at 35 cents per bunch of twenty-five. Chrysanthemums are abundant, of good quality and in fair favor, though top-notch prices have not yet been obtained. In pink Rose Owen has been the leader. Merry Monarch and Yellow Monarch have done fairly well but Golden Harvest has been a great disappointment, as the petals drop so easily. Bouquet green has made its appearance and plays a very prominent part in a large store decoration executed by E. F. Lemke.

Cupid has invaded the florists ranks in this city and claimed as a victim Olaf Olsen, of Holm & Olsen, who was quietly married some two or three weeks since.

A. H. Bunde has rented his houses on the Hudson road to Mr. Miller and moved into the city, where he is erecting two new houses. Mr. Miller will grow vegetables for early market. FELIX.

CHEAP! CHEAP!

Chrysanthemum Stock Plants, W. and P. Ivory, Pacific, Robinson and Bergmann, $2.50 per 100, if ordered this month.....

CHAS. L. MARSHALL, 67 Merrimac St., LOWELL, MASS.

'MUMS, STOCK PLANTS

75c. PER DOZ., CASH WITH ORDER.

Lady Fitzwygram, Ivory, Maj. Bonnaffon, Mrs. H. Robinson, Mrs. H. Weeks, Mrs. Perrin

Rooted cuttings of Mrs. Fisher Carnations at $1.00 per 100; $9.00 per 1000.

E. H. BLAMEUSER, NILES CENTER, ILL.

1800 DAYBREAK, 300 METEORS

is what I have left in Field-Grown Carnation Plants and are extra fine; $4.00 per 100 or $30.00 per 1000.

W. A. WETTLIN, Hornellsville, N. Y.

3000 McGOWAN

CARNATIONS

Fine plants, free from frost.

$3.50 per 100; $30.00 per 1000.

REINBERG BROS.,

51 Wabash Avenue, - - - - CHICAGO.

THRIFTY FIELD

CARNATIONS

with plenty of roots.

Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

Please mention the American Florist when writing.

AZALEAS, etc.

Just received in excellent condition a large consignment of the best forcing varieties. Can be safely forwarded by freight before cold weather sets in.

10 to 12 inch Crowns $35.00 per 100; 12 to 14 inch Crowns $45.00 per 100; 14 to 16 inch Crowns $55.00 per 100.

LATANIA BORBONICA

7 inch pots, 6 large character leaves, $1.00 each; 8 inch pots, 6 to 7 large character leaves, $1.50 each; 9 inch pots, 7 to 8 character leaves, $2.00 each.

ARAUCARIA EXCELSA

Fine Stock 16 to 18 inches high, $1.25 each.

ROSES

Crimson Rambler, canes 3 to 5 feet, fine forcing stock, $12.00 per 100; **Hybrid Perpetual,** best forcing kinds, 2 years field grown, $10.00 per 100.

HYDRANGEA, HORTENSIA and RAMIS PICTIS

Strong field grown, suitable for 6 or 7 inch pots, $12.00 per 100: stronger plants $20.00 per 100.

LILIUM LONGIFLORUM, JAPAN CROWN,

6 to 8 inches, $4.50 per 100; $40.00 per 1000; 7 to 9 inches $7.00 per 100; $65.00 per 1000.

HYACINTHS

Unnamed, separate colors, $40.00 per 1000.

IRIS KAEMPFERI

(Japan Iris), named varieties, $5.00 per 100; $40.00 per 1000.

DEUTZIA GRACILIS

Fine forcing stock, 12 to 15 inches high, $4.00 per 100. Fine forcing stock, 15 to 18 inches high, $6.00 per 100.

BERBERIS THUNBERGII

Strong transplanted stock, 15 to 18 inches, $3.00 per 100. Strong transplanted stock, 18 to 24 inches, $4.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.

Please mention the American Florist when writing.

PAEONIA OFFICINALIS RUBRA PLENA.

$10 per 100, $1.50 per dozen.

This is the true dark crimson variety, the earliest flowering Pæonia in existence and the only one good for forcing.

PÆONIA CHINENSIS, colors mixed, $8 per 100.
" " pure white, $15 per 100.
" " (named), 50 plants in 50 distinct varieties, per collection, $15.

SPIRÆA japonica.....$3.50 per 100
" compacta..... 5.00 " } Extra large
" astilboides floribunda..... 5.00 " } clumps.
" japonica aurea reticulata.....10.00 "

AZALEA INDICA.....For prices see issue of Oct. 21

DUTCH HYACINTHS, all colors mixed.....$35.00 per 1000
" " named varieties, large bulbs, $5 per 100; 45.00 "

Single TULIPS, colors separate..... 6.00 "
" " " mixed..... 5.00 "
Double " " " 5.00 "

CROCUS, colors separate..... 2.50 "

Bobbink & Atkins, Rutherford, N. J.

AMERICAN BEAUTY **Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin,** 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS. **A. S. MacBEAN, Lakewood, N. J.**

AZALEA AMŒNA.

The best dwarf, hardy Azalea. Strong plants from open ground, $3.00 per 10; $25.00 per 100.

Strong, bushy plants from 3½ in. pots, $1.50 per 10; $12.00 per 100.

Send for catalogue of **Hardy Trees and Shrubs.**

SAMUEL C. MOON,
MORRISVILLE, (Bucks Co.), PA.

Finest Forcing Roses 2¼-in. Per 100, 3½-in. Per 100

BRIDE.....$2.50 $4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2¼-inch pots, at low prices. Send for prices. **Cash with order.**

Asparagus Sprengerii. 2½-in. pots; **Asparagus plumosus nanus,** 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

E. G. HILL & CO. RICHMOND, IND.

We are now booking orders for the four following sensational New Carnations, in which the whole trade is already interested. All orders are to be filled in strict rotation. Get your orders in early; note date of dissemination. Each of the four has already met a very large sale. Fuller particulars given in regard to any point on which a customer wishes fuller information.

MRS. THOS. LAWSON { Ready after Feb. 1. $14 per 100; $120 per 1000

Largest pink variety to date; too well advertised to need description here.

OLYMPIA { Ready Feb. 15th. $12 per 100; $100 per 1000.

The queen of Flakes: snow white, lightly penciled scarlet; less red in it than in Mrs. Bradt, and produces 28% more flowers, as demonstrated by Mr. May last season. The largest variety ever introduced. We have 1600 plants growing; come and see it.

ETHEL CROCKER { Ready in January. $10 per 100; $75 per 1000.

Color: A deeper, brighter Mrs. Joost; pure pink.
Calyx: Strong.
Stem: 24 to 30 inches; strong and stiff but not ungraceful.
Freedom: Will produce more long stemmed, full sized blooms than any variety grown to-day.
Size: 3 to 3½ inches.
Habit: No useless grass; every shoot a flower producer.
Fragrance: Clove-like.
Constitution: Strong and healthy.

A BUSINESS CARNATION FOR BUSINESS GROWERS. Notwithstanding the fact that there were other pink carnations in sight, we were so impressed with the value of Ethel Crocker, as seen growing, that we did not hesitate paying a good round price for the control of the stock. We have a very large stock of it; come and see it. It can also be seen growing in large quantity with A. M. Herr and Robt. Craig.

THE MARQUIS { Ready in March and April. $10 per 100; $75 per 1000.

True pink, soft and rich; form exceptionally perfect, of the very largest size; stems strong, 2 to 3 feet; fragrant; keeps well; very free; a continuous bloomer.

THE EARLIEST YELLOW CHRYSANTHEMUM

Ready to Cut September 25th to October 10th.

YELLOW FITZWYGRAM { $7 per 100; $60 per 1000 (200 at 1000 rate.)

Every grower has long wanted a Yellow and a Pink to sell with his Early White; here is your yellow (we live in hopes of the early pink.)
It is dwarf, and stiff stemmed—2½ ft.; requires no staking.
Precedes all other yellows by 2 to 3 weeks.
The color is rich, and this variety has developed a stronger habit and freer foliage than its parent, the white *Lady Fitzwygram.*
It bears close planting, but must be started early so that the bud can be taken about July 25—not later.
We have this fall marketed the product a 190-foot bench of it, at $2.00 per dozen for the main crop, and $1.50 per dozen for the shorter stems.
We have an enormous stock of it and are prepared to furnish young plants by February 1, or sooner, at a price within the reach of every one of our customers.

Cyclamen Giganteum.

Finest strain grown.
Very fine stock, 4-inch pots, Separate colors, white, pink, red. } $12 per 100.

E. C. AMLING IS OUR CHICAGO AGENT FOR FINE CUT FLOWERS.

....A NEW....

Carnation

...Ethel Crocker...

In spite of the fact that this carnation has some worthy competitors in the field, it is offered as "The Best Pink Carnation in Sight."

In color and stem it is the storemen's ideal and just right. These two points you will have a chance to see for yourself at the shows this winter.

It produces good first class flowers from the day it is planted in the fall, until thrown out the next summer, with practically no seconds during the whole season.

It produces more flowers than any other known variety, and produces them every day, from the day it is planted until thrown out, and not in crops.

A neat clean grower with an iron-clad constitution, and the fact that there are eighteen-thousand plants to take cuttings from is an assurance that it will not be ruined by over propagation.

Perhaps its best recommendation is the fact that Craig, Hill and myself were willing to jointly purchase the variety at a good round figure on the strength of its behavior with me last winter.

It can be seen growing at any of our places and does equally well at all three. This fact shows that it is not a grand thing in one soil and a very doubtful one in another, as our soils differ widely.

Parties desiring early cuttings can have them early in January and orders will be filled for any date named thereafter, so that you will not have to wait until planting out time for your stock.

I solicit your orders and shall personally attend to the taking of the cuttings and filling of all orders, a point worth your consideration and especially so in a novelty.

Send for Circular.

PRICE PER 100, $10.00. PRICE PER 1000, $75.00.
PRICE PER 25, $2.50. PRICE PER 250, $18.75.

Albert M. Herr, = = Lancaster, Pa.

Lots of other good things in my list for January and my "Herr's Pansies" at $4.00 per 1000 from now until March 1st.

New Orleans.

SPECIALTIES FOR THE SOUTH.—CALADIUMS DO WELL.—A FINE LOT OF SEEDLINGS.—WARM WEATHER AND CHRYSANTHEMUMS.—TALK OF A SPRING SHOW.

In one of my recent letters I said something about the particular adaptability of our climate for palm growing. I might also have included some bulbs and, above all, caladiums. George Thomas, head gardener for Charles Whitney, has a large lot of variegated caladium seedlings on the benches of his greenhouse and they are an evidence of his ability. They are only three months from the seeds but are already in 4-inch pots. The leaves are quite transparent and have beautiful colorings. They have been hybridized and pollinated with the greatest care and will, no doubt, prove valuable.

The weather is very favorable to our chrysanthemums and had last winter not been so severe, killing most of the plants outside, we should certainly have had a very large yield in good shape for November business. At present it is so warm that we cannot yet tell just what we may expect.

Nothing has as yet been decided in regard to a flower show next spring but at the approaching meeting of our floricultural society there will be some discussion if no action on the subject.

GRAND ISLAND, NEB.—Brewster & Williams are cutting the finest chrysanthemums ever grown here. E. Corbin has completed changes which greatly improve his houses. He grows a great deal of bedding stock. Ellsworth & Sons are now in shape for cold weather, having completed their heating apparatus.

BOSTON FERNS!

N. EXALTATA BOSTONIENSIS, small plants, $5.00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Larger plants, $6.00 to $20.00 per 100.

..Also a Fine Lot of..

KENTIAS, Belmoreana and Forsteriana, 6-inch pots, from $1.00 to $1.50 each; 7-inch pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 each.
ARECA LUTESCENS, 50 cts. to $3.00 each.
LATANIAS, from $4.00 per doz. to $3.00 each.
ARAUCARIAS, large plants, 75 cts. to $1.50 each.
ASPARAGUS PLUMOSUS, $1.00 to $1.50 per doz.
ASPARAGUS SPRENGERII, 3½-inch pots, $1.50 per dozen.
ASPARAGUS TENUISSIMUS, 2½-inch pots, 75 cts. per dozen; 3½-inch pots, $1.25 per dozen.
RUBBER PLANTS, $5.00 to $6.00 per dozen.
PRIMROSES, 3½-inch, $7.00 per 100.

...Carnations...

500 FISHER, 500 SERVIA, 100 McGOWAN, $5.00 per 100.

WM. A. BOCK,
NO. CAMBRIDGE, - - MASS.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

To Plant After Early 'Mums.

SMILAX for Easter trade, when all green is scarce. Strong plants from 2½-in. pots, $2.50 per 100.

VIOLETS, extra large, field-grown clumps of Princess of Wales, $8.00 per 100. California, $5.00 per 100. These are well budded and will give immediate returns.

CHRYSANTHEMUM STOCK.
All the leading standard sorts and novelties. List of varieties and price on application.

Nathan Smith & Son,
ADRIAN, MICH.

Please mention the American Florist when writing.

We have the most complete Collection of

Chrysanthemums

in America, nearly 400 varieties.

All the leading Novelties for 1900 will be included in our Catalogue to be issued early in January.

NATHAN SMITH & SON,
Correspondence Solicited..... ADRIAN, MICH.

CARNATIONS!

After Chrysanthemums are thrown out, many florists plant Carnations. We have a few thousand plants heeled in cold frames suitable for this purpose. They are first-class plants.

Buttercup, C. A. Dana, Crimson Sport, Eldorado, Mrs. Fisher, Wm. Scott, Mayor Pingree, Armazindy, Daybreak, Jubilee, Meteor, Sweet Brier, Capt. King, Albertini.

$4.00 PER 100.

J. L. Dillon, Bloomsburg, Pa.

PRIMO.

The largest and best of extra early white 'mums.

Short, jointed growth, medium height, perfect stem and foliage.

Clear, white flower, seven inches in diameter by five inches depth.

Comes in first week of October.

Primo received the first certificate of the season.

Grove P. Rawson,
ELMIRA, N. Y.

Field Grown Carnations

Best new and standard sorts. Write for catalogue and prices.

W. P. PEACOCK, Atco, N. J.

3000 STOCK 'MUMS AT 5c.

Bergmann, Henderson, Pacific, Robinson, Yellow Queen, Domination, Golden Gate, Golden Trophy, Yellow Fellow, Rinaldo, Puritan, Frank Hardy and Bonnaffon.
Also 300 bu. **Natural Peach Pits,** guaranteed crop of '99; $1.15 per bu.

FURROW BROS.,
Florists and Nurserymen. GUTHRIE, OKLA.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

CARNATIONS at $3.00 per 100 cash until all sold. All first-class plants—Flora Hill, Dana, Portia, Eldorado, McGowan, Scott, T. Cartledge.

D. R. HERRON, OLEAN, N. Y.
GEO. L. GRAHAM, Florist.

Greenhouses, 57-65 Seward Ave. 'Phone 68 W. Salesroom, 87 Main St. 'Phone 76 B.

BRADFORD, PA., Sept. 16th, 1899.

MR D. R HERRON, Olean, N. Y.:

Dear Sir:—Your Carnation plants I bought from you last season gave me the best satisfaction and best results I ever had. I lack the following varieties, Daybreak Eldorado and Dana. Send me 100 of each to complete filling my house as I have added one more house this fall. Yours truly, G. L. GRAHAM.

FINE Field-Grown Carnation Plants

Scarlet Seedling, Evanston, Daybreak, McGowan, Alaska, Albertini, Tidal Wave, Mrs. Fisher, Empress, Mayor Pingree, Bon Ton and Scott. **$4 00 per hundred.**

☞Cash with order please.

VAN WERT GREENHOUSES, Van Wert, O.

CARNATIONS

Fine field grown plants.

HECTOR, large scarlet. EVELINA, very free white. $6.00 per 100; $50.00 per 1000. 500 plants at 1000 rate.

H. WEBER & SONS, Oakland, Md.

100,000 Gladiolus Choice mixed, mostly light shades, from $1.50 to $5.00 per 1000, according to size. Write for full particulars. Also fine stock of Dahlias.

L. H. READ, Grand Rapids, Wis.



Latania Borbonica.

...Palms...

Varieties	Size Pot	Height Inches	Char. Leaves	Each	Per Doz.
Latania Borbonica	2-in.				$ 0.50
Latania Borbonica	3 "				1.50
Latania Borbonica	4 "				3.00
Latania Borbonica	5 "	16-20	5-8	$ 0.50	5 00
Latania Borbonica	6 "	18-22	5-7	.75	9 00
Latania Borbonica	7 "	20-24	6-8	1.00	12.00
Latania Borbonica	8 "	28-30	7-8	2.00	24.00
Latania Borbonica	8 "	28-34	7-8	2.50	30.00
Latania Borbonica	9 "	30-36	8-9	3.00	36.00
Cocos Weddeliana	3 "	14-18	4-6	.25	2.00
Cocos Weddeliana	4 "	three plants in pot			5.00
Cocos Weddeliana	5 "	"	"	"	6.00
Cocos Weddeliana	6 "	"	"	"	10.00
		Height	Leaves	Each	Doz.
Kentia Belmoreana	3 "	5-7	3-4	.25	2.00
Kentia Belmoreana	3 "	8-10	4-5		3.00
Kentia Belmoreana	6 "	20-25	5-7	1.50	18.00
Kentia Belmoreana	7 "	34-38	6-7	2.50	30.00
Kentia Belmoreana	8 "			3.25	
Kentia Belmoreana	10 "			8.00	
Kentia Forsteriana	5 "	25-28	4-6	1.00	12.00
Kentia Forsteriana	6 "	26-30	6 8	1.50	18.00
Kentia Forsteriana	7 "	36-40	5-6	2.50	30 00
Kentia Forsteriana	10 "	three plants in pot			8.00
Livistonia Rotundifolia	3½-in				3.00
Livistonia Rotundifolia	5-in				9.00

The Latania is largely used for purposes of decoration. Although its place has, in a measure, been taken by the Kentia, it still is in lively demand. Our stock is in a fine, clean condition. We have now growing for next year's trade not less than 100,000 of these desirable palms.

Geo. Wittbold

PALMS and FERNS

1708 N. Halsted Street, = = CHICAGO.

...Ferns...

Varieties	Size Pot	Price per Dozen	Price per Hundred
Cyrtomium Falcatum	4-inch	$2.00	
Cyrtomium Falcatum	5 "	3.00	
Pteris Serrulata	2 "	.50	$ 4 00
Pteris Serrulata Cristata			4.00
Pteris Umbrosa	6 "	3.00	20.00
Nephrolepis Exaltata	4 "	1.50	12.00
Nephrolepis Exaltata	5 "	2.00	
Nephrolepis Philipensis	4 "	1.50	12.00
Nephrolepis Bostoniensis	8 "	15.00	

Miscellaneous.

Varities	Size Pot	Height Inches	No. of Tiers	Price Each	Price per Doz
Araucaria Excelsa	3-inch	6-8	2-3	$0.50	$ 6.00
Araucaria Excelsa	5 "	18-20	3-4	1.25	15.00
Araucaria Excelsa					18.00
Araucaria Excelsa	7 "	36-38	6-7	2.50	30.00
Ficus Elastica	4 "	12-14		.25	3.00
Ficus Elastica	5 "	16-18		.50	5.00
Ficus Elastica	6 "			.75	9.00
Ficus Elastica	7 "			1.00	12.00

	Size	Dozen	Per 100
Asparagus Plumosus Nanus	2-inch	$.50	$4.00
Asparagus Plumosus Nanus	3 "	1.00	8.00
Asparagus Sprengerii	2 "	.50	4.00
Cyperus Alternifolius	4 "		8.00

Peperomia Argyrea, 3-inch pots	dozen	$1.50
Dracæna Terminalis, 4-inch pots, fine plants	"	3.00
Dracæna Fragrans, 4-inch pots, fine plants	"	3.00
Dracæna Fragrans, 5-inch pots, fine plants	"	5.00
Dracæna Fragrans, 6-inch pots, fine plants	"	9.00

The demand for Kentias has increased wonderfully and they must be counted among the indispensable articles of the ornamental plant business. We devote much space and the most careful attention to Kentias and always have a large and vigorous stock on hand.



Kentia Forsteriana.

When in need of larger plants than quoted ask for special prices on a lot of Miscellaneous Specimen Plants that we have in stock...

Lynn, Mass.

After the recent severe cold snap we have enjoyed a decidedly warm spell. It seems a pity that one night sandwiched in should have cut down everything at a time when plants are even more beautiful than usual.

Gibb's Bros. report trade very good at their down town store. They are cutting a fine crop of chrysanthemums and are disposing of them at fair prices.

William Miller & Sons have their usual good display of chrysanthemums and are cutting some really fine ones grown to single stems. Their carnations this fall are better than ever and promise a fine crop for the holidays. Frances Joost and Mrs. Bradt are being grown quite heavily this season.

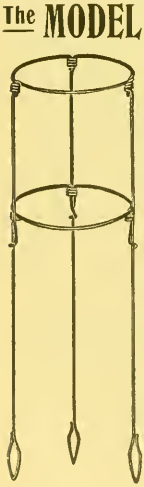
W. B. Thompson is enjoying a good trade on palms, ferns and other house plants. TAP.

ANDERSON, IND.—J. S. Stuart, of Stuart & Haugh, is reported dangerously ill.

LOUISVILLE, KY.—The leading florists did not propose that this city should be outdone this week in the matter of a flower show. Both Nanz & Neuner and Jacob Schulz have made very good displays and have welcomed many visitors.

MILWAUKEE, WIS. — The municipal chrysanthemum show is on at Mitchell Park Conservatories where foreman F. A. Gerlach has some forty varieties in bloom, all grown as bush plants and standards; there are no single stems in the collection.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.
Dear Sir:—Your Model Carnation Support is all right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y. Feb. 15, '97.
MR. THERON PARKER,
Dear Sir.—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb. 18, '97.
MR. THERON PARKER,
Dear Sir;—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing ery success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes
AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.
The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

CHICAGO CARNATION CO.
Exclusive Carnation Growers.
Cut Blooms and Rooted Cuttings.
Correspondence Solicited.
GREENHOUSES AND ADDRESS
JOLIET, ILL.

15,000 Latania Borbonica.
Fine plants of exceptional value, viz.:

	Per 100	Per 1000
2 character leaves, 12-15 inch	$15.00	$125.00
2-3 " " 4-in. pots, 15-18 in.	20.00	150.00
4-5 " " 5-in. pots, 18-20 in.	25.00	
5-6 " " 5-6-in. pots, 18-20 in.	40.00	

CALADIUMS....
Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...
The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.
12-15 inch.....$12.00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS.
350 ACRES IN NURSERY STOCK.
Send for Trade List and Descriptive Catalogue.
P. J. BERCKMANS COMPANY,
Fruitland Nurseries, AUCUSTA, CA.
Please mention the American Florist when writing.

PRIMROSES. Per 100
CHINESE, single mixed, ready for 3-in. pots..$1.25
OBCONICA Grandiflora, " " " .. 1.25
FORBESII, " " " .. 2.00
150 ASPARAGUS SPRENGERI, 2½-in. pots..... 4.00
PANSY PLANTS, fine.....1000, $2.75 .50
CASH WITH ORDER.
JOS. H. CUNNINGHAM,
DELAWARE, O.
Please mention the American Florist when writing.

25,000 CANNAS. Send list of you wants.
5,000 CARNATIONS, Scott, Portia and McGowan at 3c, or $25 00 per 1000. No frost. Not culls.
VINCA MAJOR VAR. and SPIRÆA Anthony Waterer, field stock, 5c.
GENISTA, 2½-in. 3c. MOONVINE, strong rooted cuttings, $1.50 per 100.
HALLEANA HONEYSUCKLE, rooted cuttings, strong, $1.50 per 100. CASH PLEASE.
BENJ. CONNELL, Florist, WEST GROVE, PA.

SURPLUS STOCK.

	Per 100
50 Farfugium grande, 4 and 5-in.	$15 00
50 Dracæna indivisa, 5-in., fine	7 00
50 Begonia Argentea Guttata, 4-in	5 00
75 Primula Obconica, 4-in	4.00
100 Smilax, 4-in., fine	3.00

Will ship selected stock only. Cash please, or will exchange for Kentia or Areca palms.
S. M. HARBISON, Danville, Ky.

5000
DAHLIAS
Strong roots from field, $5.00 per 100. Nymphea (pink), Canariensis (yellow), Alba Nana Compacta (white); all fine for cutting. 3000 Coreopsis Lanceolata from field $2.00 per 100.
Will exchange for 1-year-old roses.
W. P. CARRE, - - - - Manlua, N. J.

Profitable Investment
Orchids in sheath and bud, to bloom in December and January. Price of flowers alone will realize over 100 per cent. cost of plants.

Odontoglossum Cervantesii per doz.,	$1 50.	per 100,	$12 00
" Rossii Majus,	" "	2 00, " "	15 00
" Nebulosum,	" "	2.00, " "	15 00

Price includes prepayment by parcel post.
J. A. McDOWELL, - CITY OF MEXICO.

Special Quotations. CYCLAMEN Persicum Splendens Giganteum, finest strain in the world in four true colors, extra well grown plants from 3-in. pots, $7.00 per 100, $65 per 1000. Mixed, our selection, $6 a 100; $55 a 1000.
CHINESE PRIMROSES (fringed foliage), best market varieties from flats, $1.75 per 100; from 2-in. pots, $2.00, from 3-in. pots, $5.00 per 100. Double white and red from 3-in. pots, $6.00 per 100. Single blue, same price. Satisfaction guaranteed.
PAUL MADER, East Stroudsburg, Pa.
Please mention the American Florist when writing



Post Yourself
New Yellow Baby Primrose, a mate to the Pink Baby. We are the only ones that have this one in the United States, $1.20 per dozen; $10.00 per hundred. New Geranium De Roo Mitting, a cross between Cloth of Gold and S. A. Nutt, has yellow foliage and pure scarlet bloom, double, $1.20 per dozen; $10.00 per hundred. New Geranium, double Snow Drop; the best double white pot plant and bedder to date, $1.20 per dozen; $10.00 per hundred. 20 new Coleus, all named, fancy bedders, the 20 new varieties for $1.00 or $4.00 per 100. New Coleus, Little Gem, 6 inches high for border, pink variegations, 25 cents each.
THE MORRIS FLORAL CO.,
MORRIS, ILL.

20th CENTURY VERBENAS.
Thirty-two grand mammoth varieties, including the new Capt. Dreyfus, Helen Gould, Melba and many others. This is the set that will make the money for the retail florist in the year 1900. Strong, 2-in. pot plants ready Nov. 10th, $2.00 per hundred; rooted cuttings, 60c per 100, $5.00 per M.
NEW DBL. FRINGED PETUNIAS, Henderson's and Dreer's latest set, known the world over as the standard of perfection; strong rooted cuttings Nov. 10th, $1.00 per 100; 2-in. pot plants, $2 a 100.
20,000 SEEDLING SMILAX now ready for immediate delivery, 50c. per 100, $4 per M, free by mail.
PRINCESS PAULINE AGERATUM, the great novelty of '98, the only one to grow; rooted cuttings now ready, $1.00 per 100; strong 2-in. pot plants, 50c. per doz., $2.00 per 100.
1000 FIELD CARNATIONS, mixed, $2.50 per 100 to close out (protected from frost). Wholesale list now ready. Send for it.
1000 BRIDESMAID ROSES, 2½ and 3 in., $2.50 per 100 to close out. CASH WITH ORDER.
SOUTH SIDE FLORAL CO., Springfield, Ill.

Asparagus Plumosus Nanus
STRONG STOCK.
2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000
S. S. SKIDELSKY,
730 Pine Street, PHILADELPHIA.
Mention American Florist.

ASPARAGUS Sprengerii.....2½-in., $5.00 per 100
Asparagus Plumosus, 2½-in. 5.00 "
NEPHROLEPIS Cordata Compacta, 2½-in., fine..... 5.00 "
Nephrolepis Bostoniensis, 2½-in... 5.00 "
GERANIUMS, S. A. Nutt, etc., 2½-in.. 2.50 "
SMALL FERNS, for dishes, " .. 4.00 "
CARNATIONS, field-grown..... 5.00 per 100
CASH PLEASE.
CARL HACENBURGER, W. Mentor, O.

DRACAENA INDIVISA CLUMPS
from open ground; fine stuff, ready for 6, 7 and 8-inch pots, 10c, 15c and 20c each.
SMILAX, fine 2-inch stock, $1.25 per 100; $10.00 per 1000.
J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.
CASH WITH ORDER.

PANSIES.
Fine plants from my own select strain, $4 per 1000.
PRIMULA FORBESI, blooming plants in 2½-inch pots, $3.00 per 100.
VINCA VAR. MAJ., strong field clumps, $5 per 100.
CASH. W. J. ENGLE,
Cor. Xenia Ave and Dover St., Dayton, O.

PETUNIAS, Double Fringed, choice assortment, 2-in., per 100, $2.50.
GERANIUMS, mixed, 2-in., per 100, $2.00.
SELAGINELLA DENTICULATA (Moss Fern), 2-in. per 100, $2.50. E. I. Rawlings, Quakertown, Pa.

Acalypha Sanderi

FINE PLANTS, 2½-inch, $8 00 per 100.....

THE CONARD & JONES CO.
WEST GROVE, PA.

Browallia Gigantea

The finest thing for Xmas.
Only 300 specimen plants in 5-inch pots, in full bloom at $3.00 per dozen.
2000 in 2½-inch pots, in full bloom, $4.00 per 1 00.

CASH PLEASE. PACKING AND ARRIVAL CUARANTEED.

HENRY EICHHOLZ, - - WAYNESBORO, PA.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.



WANT ROOM.

	per 100	1000
PRIMULA, Chinese, mixed....2¼-in.,	$1 50	$12.50
Obconica "	1.50	12.50
in bud, 3½-in.,	3.00	25.00
FORGET-ME-NOT, winter bloomer.. 2¼-in.,	2.00	15.00
VELVET PLANT	1.50	12.50
ALTERNANTHERA, 4 varieties, strong, ...2½-in.,	2.00	15.00
IRESINES, 2 colors 2¼-in.,	2.00	15.00
GERANIUMS, 60 vars., mixed "	1.50	12.00
BEGONIAS, 15 named varieties, flowering..... "	1.50	12.50
CIGAR PLANT, strong..... "	1.50	12.50
FEVERFEW Little Gem..... "	1 50	12.50
" golden foliage.. "	1.50	12.50
COLEUS, 10 standard named. "	1.50	12.50

CASH.

W. H. MURPHEY, - Minooka, Ill.

DEUTZIA LEMOINEI

Grown in 6-inch pots, best forcing plant for cut flowers and as an Easter plant, per dozen

$3.50

Dracæna Indivisa 5-inch pots, $8.00 per 100.

J. THOMANN.
314 N. GOODMAN STREET, - - ROCHESTER, N. Y.

They're BEAUTIFUL

BEGONIA

Gloire de Lorraine

Plants in several sizes, from small pots to specimens. Now in full bloom. Prices on application.

The Finest Stock in the Country.

WM. W. EDGAR,
Waverly, - - - Mass.

"Indispensable"

THIS is the only word which describes the American Florist Company's Trade Directory. This book, 359 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

EDITION OF 1899, POSTPAID, $2.00.
IN FLEXIBLE LEATHER BINDING, $3.00.

AMERICAN FLORIST CO.,

324 Dearborn St., CHICAGO, ILL.

Worcester, Mass.

The warm weather has had a bad effect on trade and stock is coming in faster than the market demands. Chrysanthemums are in good supply and are selling fairly well. Robinson, Mrs. O. P. Bassett, Adele, Ivory, Viviand-Morel, Bonnaffon, Yellow Queen and Modesto are the better varieties now available. Carnations are in sufficient quantity to meet the demand and, saving rather short stems, are all right. Roses are a little overplentiful and are not benefited by the present warm spell. Violets are the greatest sufferers and many growers are experiencing bad doses of spot.

Patrick Gormley has the sympathy of all in the recent death of his wife.

A. H. L.

Williamsport, Pa.

Evenden Bros. have recently completed the erection of two short-span-to-the-south greenhouses, each 16x155 feet. One is planted with Scott carnations and the other with Princess of Wales violets in solid beds. These latter are doing remarkably well, the clumps are from fifteen to eighteen inches across and are covered with flowers, many of which are extra large. Their two large carnation houses are a splendid sight; the plants are of a large size and just commencing to bloom. They are full of buds and the quality of the flowers promises to be above the average. Chrysanthemums in pots are extensively grown and are in good shape. The plants are short and stocky. Their roses and palms also look well.

R.

HIGH GRADE

Lily of the Valley Pips

My first shipment of Valley Pips, for early forcing will arrive about November the 20th. Having inspected my stock personally this summer, I am confident it will be of the highest grade and give the best satisfaction. They are strong pips and well rooted, and to introduce them more, I will sell them at the low figure of

$9.00 to $11.00 per 1000.

Fancy Valley in Bloom

I have always been regarded as headquarters for Valley, particularly the finest. I am more than ever in the same position and invite everybody to view my stock as I have constantly the finest and largest lot in bloom.

FOR SALE AT ANY CHICAGO COMMISSION HOUSE

AND BY

H. N. BRUNS,

690 W. Van Buren St., CHICAGO.



Verbena King.

The largest Verbena grower in the world.

A new Verbena, **Ernest Humfeld,** the grandest striped Verbena that was ever introduced—ready Jan. 15th, 2-inch, 50c. per 100. We again challenge the world to produce any finer mammoth vars. of Verbenas than we have to offer this coming season. We also guarantee satisfaction in every way. We benched twice the amount this season and therefore we will be able to fill all orders at the following prices: 60c. per 100, $5.50 per 1000, 5000 for $25.00, 10,000 for $45.00, 25,000 for $100.00. All true to name. We pay the express. Ready Nov. 20th.

C. HUMFELD, Clay Center, Kans.

A TRUE BONANZA

AND PRICES ON THE RISE.

THREE GEMS OF PUREST WATER.

Florists who grow their own plants and flowers will find none more profitable than our wonderful

3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."



IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other.

FOR CHRISTMAS OR NEW YEAR

nothing could be more pleasing, useful or profitable. While they last,

LARGE CLUMPS, READY TO DIVIDE,

$5 per 100 or 25 for $1.50 by express. Smaller ones by mail prepaid, same price.

A few hundred EXTRA LARGE CLUMPS, $10 per 100, $1.50 for 12.

Any of above should make dollar plants by Christmas.

THE GENUINE EDELWEISS

OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. *10 for $1, 25 for $2, mailed free.*

THE LACE FERN,

POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

ASPARAGUS SPRENGERI

2¼-in., fine, $4.00 per 100; 3¼-in., $7.00 per 100.; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

"I made $75 more off 250 Baby Primroses than I did off 800 Violet plants; sold the flowers to New York. I want more; also some of your new Forget-me-not. W. H. BURBANK, Florence, N. J.

FOR WINTER BLOOMING. The Orange Violet (Browallia Jamesoni); makes extra fine specimens; 3½ in., $1 25 per 12, express. Browallia Speciosa or Giant Violet, $1 per 12. Euphorbia Jacquiniflora, $1.25. Baby Primrose, 75c. New Primula Obconica hybrida, 75c. Goldeo Lilac (Centrum Aurantiacum), 75c. New pink Astilbe Chinense, offered first in Europe this year at $2 per one small plant; our price, field grown, very fragrant, $1 50 per 12. All except Orange Violet prepaid by mail or larger by express. Gloxinias, especially grown for Xmas blooming, fine plants, $7 per 100; 25 for $2. Little Gem Calias, $5 per 100; 75c per 12. Spotted Calias, monster bulbs, $5 per 100; smaller at $3 per 100, 25 at 100 rates.

A. BLANC & CO., Philadelphia.

PALM PLANTS.

LATANIAS, 4-in. pots, 18 to 22 in. high, 4 and 5 leaves, $2 per doz., $15 per 100; 6-in. pots, 30 to to 24 in. high, 6 and 7 leaves, $6 per doz., $45 per 100; large, 3 to 3½ ft. in height and diameter, $2 per plant, $22 per dozen; large, 4 to 4½ ft. in height and diameter, $5 per plant.

ARECA LUTESCENS, 4-in. pots, 22 to 24 in. high, 2 and 3 plants to pot, $4 per doz.; 6-in. pots, 2½ ft. high, 2 and 3 plants to pot, $12 per doz.; 10, 11 and 12 in. pots, several plants to pot, 6 and 7 ft. high, $7.50, $10 and $12 50 per plant.

KENTIAS, several sizes; prices on application.

PANDANUS VEITCHII, 6-in. pots, nicely variegated, $1 per plant; 7-in. pots, nicely variegated, $1.50 per plant.

J. W. COLFLESH,

53d St. and Woodland Ave., Phila.

500 FERNS

(Pteris Serrulete.)

3-in. pots, ready for 4, at $6.00 per 100.

2000 Maidenhair, 6 to 8-in. pots, fine plants, $30.00 per 100. 500 Latania Borbonica, 3-in. pots, ready for 4, $10.00 per 100. Cash with order.

ART FLORAL CO.,

3907 Cottage Grove Ave., CHICAGO.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. Palms and Decorative Plants in Quantity, all sizes and prices. New price list will be ready Sept. 15th.

Anton Schultheis, P. O. Box 78, College Point, New York City

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of well established plants.

3 good plants, mailed for	$1.00
12 strong plants, 3-in. pots, for	5.00
12 strong plants, 4-in. pots, 2 to 3 feet	9.00
12 strong plants, 5-in. pots	18.00

Price for 100 or more on application.

John H. Ley,

Good Hope, WASHINGTON, D. C.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.

Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

Orchids!



Just arrived in fine condition, a fresh lot of *Cattleya Mendelii* and *Lælia Jongheana,* also *C. labiata, C. Speciosissima, C. Gaskelliana* and *C. Harrisoniæ.*

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.



"WE NEVER SLEEP."

Telephone
HARRISON
••• 85 •••

The Regan.... Printing House

WORK DELIVERED WHEN ORDERED.

87=89=91
PLYMOUTH PLACE
CHICAGO.....

DAY and NIGHT PRESSROOMS...

CAPACITY:
TWENTY TONS OF PAPER A DAY.
FORMS CALLED FOR AND DELIVERED.

Book, Job AND News Printers....

THE BEST.....
EDITION and PAMPHLET BINDERY

TO BE FOUND IN THE UNITED STATES.

NURSERY AND SEED CATALOGUES.....

Danvers, Mass.

E. & C. Woodman have everything going smoothly and trade is very fair. A fine crop of chrysanthemums is now on. These are grown several blooms to a plant instead of single stem. A line about this concern would be incomplete without a word of praise for its magnificent office and show house. They are complete in every detail. Violets are in fine shape, Lady Hume Campbell being the only one grown. Carnations are doing well and at present scarcely any rust is to be seen throughout this section.

TAP.

MARBLEHEAD, MASS.—J. B. Reynolds reports business very good. He has a house of Boston fern in grand shape. Geraniums and other bedding stock are grown in large quantities.

RACINE, WIS.—Mrs. C. W. Pike has added an "Oriental room" to her retail cut flower store and will carry a line of confections and table delicacies. She had a very successful opening the other day.

BIRMINGHAM, ALA.—C. H. Reed is making a fine display of chrysanthemums. He has 3,000 plants in some thirty-five varieties. Geo. E. Luffton, formerly of Philadelphia, is his grower.

NICOTEEN

APHIS PUNK.

It Burns!

The most convenient way of applying an insecticide ever yet devised. No pans required. No heating of irons. No trouble. Cannot injure the most sensitive blooms. Very effective.

PRICE: 60c. per box of 12 rolls. All dealers sell it.

SKABCURA DIP CO.

ST. LOUIS. CHICAGO.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

ZIRNGIEBEL GIANT PANSIES

Seed at $1.00 per trade packet or $5.00 per oz.

Also plants of the above at $5.00 per 1000, securely packed to go any distance. Large transplanted plants for winter bloom at $2.00 per 100 (no dollar an oz. mixture in these plants).

DENYS ZIRNGIEBEL,

NEEDHAM, - - - MASS.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

GERANIUMS

Rooted Cuttings, in perfect health and condition and strictly true to name.

	Per 100	Per 1000		Per 100	Per 1000
4000 Mme. Chas. Molin,	$2.50	$20.00	5000 Single Grant,	$2.00	$15.00
10.000 S. A. Nutt,	2.00	15.00	8000 Double Grant,	2 50	20.00
5000 Mrs. E. G. Hill,	2.50	20.00	1000 Miss F. Perkins,	3.00	
5000 La Favorite,	2.00	15.00			

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Prompt shipment. Terms cash with order.

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Plants are all pot grown, good shape, perfectly set with bud. The 4-inch Regerminans and 7-inch Melantheras are especially fine and just right for Xmas.

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" PERSOLUTA ALBA	$18.00	$6.00	9.00	
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" REGERMINANS	18.00			
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Hardy hether for planting outdoors.

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One year from open ground, free blooming; as attractive as any Retinospora.

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CHINESE. Ready for 3's. The finest grown. Single and Double, $2.00 per 100; 250 for $4.00.

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CYCLAMEN GIGANTEUM. Fine, strong bulbs, good foliage; choice mixed, $4.00 per 100.

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Extra fine Giants in best mixture; pkt., 200 seeds, $1.00; half pkt., 50 cts.

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Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000. Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.

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Grower of Extra Fine Pansies.

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Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100; by express, $4.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.

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are among the very best of flowering plants for home adornment. No flowering plant is more satisfactory than is this for window gardening. I have known flowers to remain perfect on Cyclamen for six whole weeks. This statement is not a mere guess, but is the result of an actual experiment.

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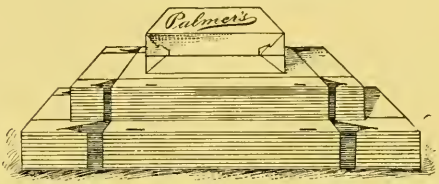
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Have A Reputation For Superiority.

THEY EXCEL IN EVERY POINT.

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We beg to advise our friends and customers that the business formerly known as Ellis & Pollworth will now be conducted under the name of

P.O. BOX 775 PHONE 1273. Wholesale Cut Flower Growers Agents. **C. C. POLLWORTH CO.**

Our line of FLORISTS' SUPPLIES is not excelled in the West.

Palms, Ferns, Wire Work, Red Flower Pots and Improved Cut Flower Boxes

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Address all correspondence and orders, and make all Checks, Money Orders, etc., payable to

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A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

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Cut Palm Leaves, Hemlock, Laurel, Wild Smilax, Etc.

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☞ OUR DIRECTORY FOR 1899 WILL BE MAILED TO YOU ☜
☞ PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS. ☜

Cincinnati.

BUSINESS REASONABLY SATISFACTORY.—FINE CHRYSANTHEMUMS IN MARKET.—GOOD DISPLAYS IN THE WINDOWS.—MAID OF HONOR GIVES SATISFACTION.

Business has been tolerably good the past week and the Sixth Street Flower Market assumed quite a different aspect from that of a few weeks ago. Chrysanthemums, both pot plants and cut flowers, moved quickly owing to All Saints' day. Every one in the market seemed to be well pleased with Saturday's business. Roses and carnations were much in evidence but met with light demand. Among the stands the following vases of chrysanthemums were the most noticeable: Bruner's Sons with Golden Wedding, F. Walz with Mrs. Robinson and H. L. Sunderbruch, and Gus. Adrian with Queen. J. Schuman had a superb lot of pot plants. Any of these vases could have been staged at any of our exhibitions and would have been hard to beat. The blooms sold at $2 to $3 per dozen.

Our new flower store on East Fourth street, W. A. McFadden, proprietor, has been making a grand display in the show windows since their opening and no doubt will meet with success. J. Peterson's show windows were also well done this week. One was resplendent with chrysanthemums while the other was artistically decorated with cattleyas banked up with adiantums and Asparagus Sprengerii. Sunderbruch's Sons, as usual, had a fine collection of chrysanthemums and roses.

The Hoffmeister Floral Co. reports a good trade in wedding decorations, with good supply to fill orders. Their new rose, Maid of Honor, is giving universal satisfaction. H. SCHWARZ.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

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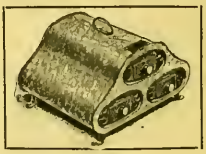
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will protect plants from freezing in the coldest of weather at the cost of ½c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.



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Vapor Insecticide

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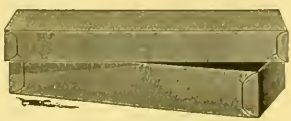
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CYCAS LEAVES. OURS RIVAL THE BEST IN THE MARKET. 16-19 in. $1.20; 20-23 in. $1.40; 24-27 in. $1.60; 28-31 in. $1.90; 32-35 in. $2.20; 36-39 in. $2.50; 40-43 in. $3 the doz. leaves. Note the reduction.

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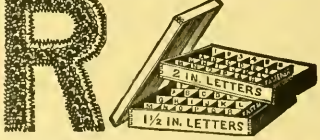


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Script Letters, $4. Fastener with each letter or word.
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a combined Lice exterminator, disinfectant and fertilizer.

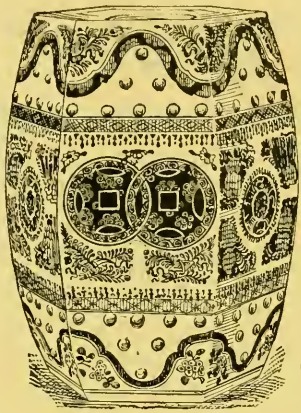
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CANTON CHINA HALL-SEAT OR PLANT-POT STAND

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We invite the attention of intending buyers, or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese *plant pots* or *jardinieres* selected by our buyers at the places of production in the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to $150, each.

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Packed in small crates, easy to handle.

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1500 2¼ " "	5.25	60 8 " "	3.00
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

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OR.... FORT EDWARD, N. Y.
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Special Attention Given to Mail Orders, and Special Sizes Made to Order.
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1¾ in., per 1000	$2 40	3½ in., per 1000,	$ 4 95
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2½ in., "	3 35	5 in., "	10 80
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Packages extra.

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"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

Paterson and Thereabouts.

Seedling carnations at Jos. Towell's place at Paterson, N. J., are showing up well and Gov. Griggs is certainly at home There are twenty-three greenhouses in this establishment, including two asparagus houses and others devoted specially to smilax, ferns, mignonette, cypripediums, chrysanthemums and violets. Princess de Galles violet is doing grandly. A specialty here is the amaryllis, of which a large number are grown in pots for cut flower purposes. Mr. Towell, although for some time past physically incapacitated, spends much of his time about the greenhouses in a wheel chair.

At A. V. D. Snyder's establishment at Ridgewood there will be forced, this season, 150,000 Roman hyacinths, 145,000 tulips, 60,000 daffodils and 20,000 Paper White narcissi. The latter have been blooming since early in October but the bulbs are hardly satisfactory this season, many of them having gone blind. Two houses have been added this year, one of them 18x155. A Rider engine supplies water for this establishment from a 100-foot artesian well. Mr. Snyder has recently built a new seed store on the opposite side of the street from his greenhouses. He is a genuine hustler.

Ed. Sceery, of Paterson, has one of the prettiest stores in the county. He carries high-grade stock and, as he knows everybody worth knowing in the town, does a good business. The store formerly occupied by Van Voorhies & Smith is now occupied by Robert Smith & Co., the firm having dissolved, and Jas. A. Van Voorhies has opened a fine place on the opposite side of the street.

John Bingham, of Ridgewood, is indisposed at present but a recent visit to his place found the balance of the working force busily engaged in making bulb forcing boxes. There are ten houses, all well filled, and Asparagus plumosus is good.

HOW TO BUILD AND HOW TO HEAT **GREENHOUSES**

Full details for all kinds of houses will be found in "GREENHOUSE CONSTRUCTION," by L. R. TAFT.

How to Grow ROSES, VIOLETS and other Flowers, Vegetables and Fruits under Glass, is fully explained in "GREENHOUSE MANAGEMENT," 400 pages, illustrated, with latest information regarding treatment of insects and diseases, use of fertilizers, etc.

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REAL ESTATE.

Land with or without greenhouses, in different parts of the United States. Bargains can be had and opportunities opened for profit. Write for particulars and state your requirements.

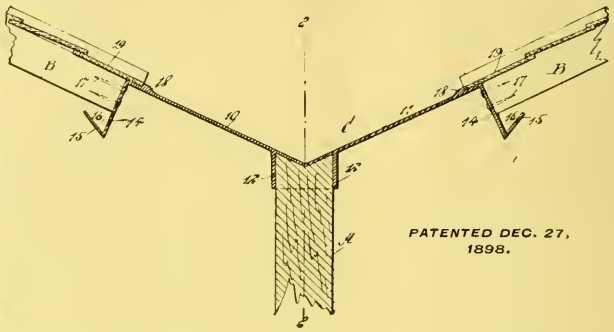
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Some Advantages of a Cast-Iron Gutter:

As the gutter of a greenhouse is the foundation of same, the house reaches a dilapidated condition as soon as the gutter becomes defective, which is in about one-half the time the house would otherwise last. Thus the life of the house is doubled when cast-iron gutters are used.

The cast-iron gutter will last a lifetime.

In case of a heavy snow-fall, the house is relieved of the snow in much less time, which is an important factor when sunlight is at a premium.

There is less obstruction to light.

No ice in gutter; iron absorbs sufficient heat to keep it continually thawed.

No breakage of glass from frost and ice.

No drip from condensation, drip being conducted by inner drip conductor, consequently allowing an increase of bench surface of house, as plants can be grown under gutter.

Although the first cost of iron gutter is more than a wooden gutter, you can construct a range of houses containing 15,000 feet or more of bench space for about 5 per cent less money than where wooden gutter is used, as the latter necessitates the building of houses 2 feet wider than where iron is used.

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IMPORTERS AND JOBBERS OF

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Greenhouse Glass

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MANURE in car lots.

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Natural, $4.00 per ton.

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PULVERIZED, $12.00. NATURAL, $8.00, f. o. b.

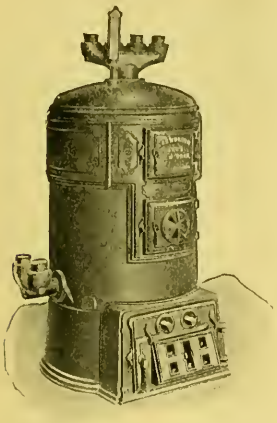
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FOR GREENHOUSE HEATING.

Easily and Quickly Set Up!

Capacity Guaranteed!

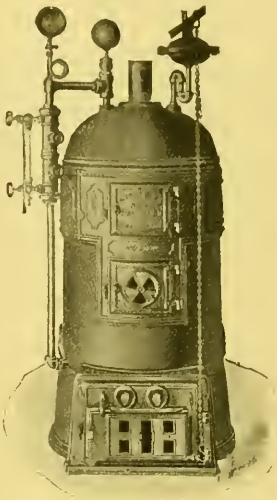
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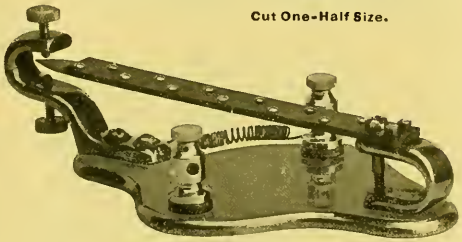
We also make the Abendroth Vertical Sectional Steam and Water Boilers —long and favorably known to the trade everywhere.

Do You Know

THAT while you are running to your greenhouses at all hours of the night and day, just to see if temperature is not dangerous, that your neighbor has installed his house with one of our

ELECTRIC TEMPERATURE INDICATORS

Cut One-Half Size.



BELL CAN BE PLACED ANY DISTANCE FROM INDICATOR

INDICATOR IS PUT UP NEAR THE PLANTS AND AT A DANGEROUS TEMPERATURE RINGS ELECTRIC BELL

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INSTALL your greenhouse with our Indicator, and if temperature gets either to hot or cold, it will warn you. Sold complete, including electric bell, dry battery, switch and 160 feet wire, $5.00. Sold under an unlimited guarantee, and indorsed by the trade. Write for Booklet.

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for 1899

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COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK PROMPT SHIPMENT.

ALSO MANUFACTURERS OF **Pure Linseed Oil Putty, Paints, Brushes Etc.**

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are the successful growers who advertise in

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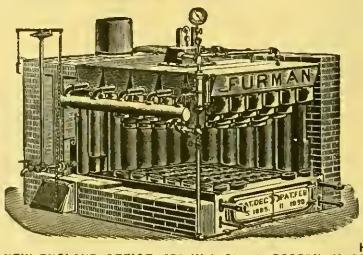
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be Installed January 1, 1900]. E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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THE EXHIBITIONS.

Chicago.

The ninth annual chrysanthemum show of the Horticultural Society of Chicago closed Saturday evening, November 11, after a most successful five days run, not far from 15,000 paid admissions having been received. Everyone connected with the administration of the exhibition is highly pleased with the result, which was in part, no doubt, due to the fine weather, but in no small degree to the selection of the Auditorium as the place of staging the wealth of floral beauty. A marked feature of the increased attendance was the high social standing of those present.

Upon the closing day the interest of the growers was centered upon the seedling carnations but the feature of the day was the conclusion of the contest for the liberal premiums for table decorations for twelve covers. It chanced that the ladies judging these exhibits bestowed first place on each of the four days upon a different competitor, fortune and skill on Saturday favoring John Mangel, with W. L. Rock second, A. Lange third, C. A. Samuelson fourth, A. Klokner fifth and the Anderson Floral Co. sixth. This made the standing for the week as follows:

First prize, $125, A. Lange; second, $90, C. A. Samuelson; third, $60, Anderson Floral Co.; fourth, $40, John Mangel.

On Wednesday A. Lange's first prize table was decorated with a low mound of Pink Ivory chrysanthemums, both fully developed and half opened flowers, and Asparagus plumosus nanus. C. A. Samuelson was second and also had a mound of Pink Ivory with Asparagus Sprengerii and mignonette. Mangel was third with fine Major Bonnaffons and Asparagus Sprengerii in mound. Fourth place fell to the Anderson Floral Co. with a tall vase of Mayflower chrysanthemums and Asparagus Sprengerii and a flat mound of the same material at the base. W. L. Rock, of Kansas City, took fifth place with a tall vase of Major Bonnaffon and adiantums with a raised mound of the same at the base. A. Klokner, Milwaukee, used a vase of Bonnaffons and Asparagus Sprengerii with a center base of the same.

Thursday's material was roses and C. A. Samuelson led with a mound of Brides with long branches. The Anderson Floral Co. was second with a tall vase of Beauties and single blooms on the cloth between dishes of Asparagus Sprengerii. W. L. Rock, with a vase of Bridesmaids and adiantum with mound and scroll of the same at the base, was placed third. A. Lange was fourth with a vase of Beauties with three plaques of bloom and foliage on the cloth. Mangel had a vase of Beauties with the same flower and Asparagus Sprengerii strewn upon the cloth at the base of the vase and was placed fifth. A. Klokner showed a tall vase of Bridesmaid roses with adiantum and a mound of the same at the base.

On Friday the decorators were limited to white flowers, the Anderson Floral Co. winning with a mound of Kaiserin roses in a circle of Asparagus plumosus nanus. Mangel was second with a mound of lily of the valley. Lange used white carnations, mounded, and was third. W. L. Rock employed Dendrobium formosum giganteum and adiantum, being placed fourth. C. A. Samuelson was fifth with a low vase of Dendrobium formosum giganteum, odontoglossums and asparagus. Klokner had a tall vase of Bride roses and Asparagus Sprengerii with a mound at the base of the same material.

On Saturday the choice of flowers was optional and Mangel built a low mound of Cattleya labiata, Dendrobium Phalænopsis and Asparagus Sprengerii, securing first place. W. L. Rock was second with a mound of cypripediums and adiantum. Lange was third with a mound of Golden Gate roses, buds, full blooms and foliage. C. A. Samuelson employed a mound of Dendrobium Phalænopsis, adiantum and Cocos Weddeliana with blocks and sprays of same. A. Klokner was fifth with a raised triangle of ornamental foliage, fruit and flowers. The Anderson Floral Co. was sixth with a mound of Cattleya labiata and Adiantum Farleyense with plaques of the same. Throughout the competition the decorations were arranged with consummate skill and the judging would have been difficult had it not been for the fact that the ladies each day set some work in the rear because of their preference for the low decorations rather than those in which tall vases were employed.

Seedling chrysanthemums were poorly represented, none being entered in the six

classes in which silver medals were offered. There were, however, several good seedlings shown for exhibition only. Fred. Dorner & Sons Co., Lafayette, Ind., brought a yellow of fine, dark color, showing good form and stem. Nathan Smith & Son, Adrian, Mich., showed Orizaba, a seedling from Mrs. E. G. Hill × Mrs. W. C. Egan. It is a pearl pink with a good stem well clothed with foliage. E. G. Hill & Co., Richmond, Ind., exhibited Onyx and Mme. Seulberger; both are white, the former with good size, clear color, fine stem and plenty of foliage. Mme. Seulberger has every appearance of being a good commercial sort.

John N. May's vases of cut blooms of pompon chrysanthemums not for competition were given a certificate of merit.

In the classes for tested seedling carnations, in which silver medals were offered, H. Weber & Son secured one for No. 110-96, a fine white of good form and stem. Bassett & Washburn also exhibited a good white but the blooms had, through error, been cut four days before the time of judging and were past their best. Genevieve Lord, Webers' light pink, a part of the stock of which is controlled by the Chicago Carnation Co., was also given a medal. Weber & Sons also showed a dark pink seedling, No. 115-97, and a very large light one, No. 11-97, which many thought to be the best one on exhibition. Crabb & Hunter, Grand Rapids, won the medal for dark pink with Irene, a most promising variety, somewhat after the type of Mme. Albertini. Stuart & Haugh staged a vase of a pink sport of Amazindy which was past its best at time of judging. J. C. Vaughan had a fine dark pink flower in his No. 2 but its stem is a little weak. F. B. Tinker, Peru, Ind., also staged a good white, of excellent form and stem. Weber & Sons won the prize for the best display of one-year seedlings with a collection containing several good sorts and Crabb & Hunter were second with a group which contained promising varieties.

In the competition for the silver cup offered for the best twelve chrysanthemum blooms, one variety, limited to varieties in commerce named after Chicago ladies, the exhibit of James Hartshorne was excluded by the examining committee for the reason that it contained thirteen flowers. Mr. Hartshorne protested on the ground that he was prevented from giving this exhibit proper attention by duties he was called on to perform for the society, and at the last moment had to entrust the work of staging the blooms to one of the society's employes appointed for that purpose. The latter made the error in count, and the protest was therefore sustained.

St. Louis.

The tan-bark arena of the Coliseum presented a very gay appearance when the annual chrysanthemum show opened last Tuesday. The Coliseum is perhaps one of the best buildings in the country for a flower show, but this fact would have counted for little in the absence of the industry and good taste displayed by the officers and members of the St. Louis Florists' Club. Manager Beneke and Secretary Schray certainly had a large contract on hand, but with the assistance of a small army of associates, exhibitors and judges they went about their work in a manner inspiring for its efficiency.

The exhibits generally were of high character, especially in the cut flower classes. Foliage plants were well grown and exhibited in large variety, but there seemed to be room for improvement in the specimen plants of chrysanthemums, and this might be applied to flowering plants throughout. Progress, however, was apparent on all sides, and no doubt the growers of this city and vicinity will very shortly take rank with the best. It should be remarked here that the tan-bark of the Coliseum flooring affords an admirable setting for all kinds of floral exhibits, blooms as well as plants. The brown shade of the bark has a peculiarly softening effect on the most glaring colors of flowers and its elasticity and noiselessness afford visitors much pleasure as they wander to and fro.

Perhaps the most interesting contest was that for the Shaw gold medal, awarded "for a plant of decided merit for cultivation, not previously an article of North American commerce, and introduced to such commerce by the exhibitor during the year in which said award was made." There were three entries in this competition, viz., a palm (Linospadix Petreckiana) from Sander & Co., of Belgium, a variegated form of Impatiens Sultani (source not given) and Cypripedium James K. Polk, a cross of C. nitens magnificum and C. Chamberlainianum, from H. T. Clinkaberry, gardener to C. G. Roebling, of Trenton, N. J., the last being awarded the prize. An illustration of this new cypripedium appears herewith.

Among other novelties exhibited we noted a chrysanthemum named Pride of Belleville, from the West End Floral Park, of Belleville, Ill. The bloom was of a creamy white shape, incurved, and looked somewhat like what might be expected of a cross between Pennsylvania and The Queen, scoring, we believe, seventy-five points. Seedling carnation No. 11, '97, from H. Weber & Sons, Oakland, Md., was a pleasing variety with large flowers of good quality and the Melba shade of pink. A large block of the new ageratum, Stella Gurney, was on exhibition from Tower Grove Park.

The designs in cut flowers of railroad trade marks made an interesting and apparently popular feature. Various railroad companies offer valuable prizes in these competitions. The designs were largely composed of red and white carnations, with green of sundry sorts for the backgrounds.

On the opening day the weather and attendance were far from favorable, but Wednesday and Thursday were more encouraging in both respects. The price of admission was advanced this year from twenty-five cents to fifty cents, and the receipts on Thursday evening showed a material gain over the same period last year.

Details of the awards up to and including Thursday follow, and here it should be remembered that prizes in several classes were offered for similar (but not identical) exhibits. It is also worthy of note that in some of the cut flower competitions the judges were compelled to consider "quality" and "arrangement" of equal importance.

The out-of-town visitors included Geo. M. Kellogg, of Pleasant Hill, Mo., Elmer D. Smith, of Adrian, Mich., Mrs. Vesey, of Fort Wayne, Ind., J. S. Wilson, of Western Springs, Ill., Mr. Gullett, of Lincoln, and E. W. Guy, of Belleville, Ill.



CYPRIPEDIUM JAMES K. POLK—C. NITENS MAGNIFICUM × C. CHAMBERLAINIANUM.
(Awarded Shaw Gold Medal for New Plant at St. Louis Exhibition.)



ANOTHER GENERAL VIEW OF THE CHICAGO EXHIBITION.

THE AWARDS.

The Shaw Gold Medal for new plant of decided merit, awarded to E. C. Roebling, Trenton, N. J., H. T. Clinkaberry, gardener.

Collection named palms, first, Wm. Schray; second, Chas. Beyer; third, Michel Plant & Bulb Co.

Collection named begonias, first, Wm. Schray; second, Michel Co.

Collection named ferns, first, Michel Co.; second, Wm. Schray; third, Chas. Beyer.

Collection foliage plants, first, Wm. Schray; second, Michel Co.; third, Chas. Beyer.

Twenty-five blooming plants other than chrysanthemums, first, Wm. Schray; second, Geo. B. Windler; third, C. Young & Son's Co.

Twelve geraniums, first, F.J. Fillmore; second, Chas. Beyer; third, Young & Son's Co.

Twelve-inch fernery, first, Michel Co. second, Wm. Schray; third, C. C; Sanders.

Two climbing plants, first, Wm. Schray; second, Chas. Beyer.

Two Asparagus Sprengerii, first, W. E. Jordan; second, Wm. Schray; third, Chas. Beyer.

Ten cyclemens, first, Wm. Schray.

Six Acalypha Sanderi, first, Wm. Scray; second, F. J. Fillmore.

Ten coleus, first, F. J. Fillmore; second, Wm. Schray; third, Michel Co.

Specimen araucaria, first, Chas. Beyer; second, C. C. Sanders; third, F. J. Fillmore.

Specimen areca, first, Chas. Beyer; second, Wm. Schray; third, C. C. Sanders.

Specimen Kentia Belmoreana, first, Chas. Beyer; second, Wm. Schray; third, C. C. Sanders.

Specimen Kentia Forsteriana, first, Chas. Beyer; second, Wm. Schray.

Specimen Livistonia rotundifolia, first, Chas. Beyer; second, Wm. Schray; third, C. C. Sanders.

Specimen Pandanus utilis, first, Chas. Beyer; second, C. C. Sanders; third, F. J. Fillmore.

Best plant other than above, first, Chas. Beyer; second, Wm. Schray; third; W. E. Jordan.

Specimen palm, two specimen palms, one palm, two palms, two palms, two palms, palm for house decoration, three palms for house, four palms for house, two palms in two varieties, ten classes, Chas. Beyer first in each.

Twenty plants of carnations in bloom, not more than five of one variety, first, F. J. Fillmore.

White chrysanthemum plant in bloom; first, Vaughan's Seed Store, Chicago. second Young & Sons Co.; third, A. Meyer.

Yellow chrysanthemum in bloom, first, Wm. Schray; second, A. Meyer; third, C. Beyer.

Pink chrysanthemum in bloom, first, Wm. Schray; second, A. Meyer.

Specimen plant, pink, first, Wm. Schray.

Ten specimen plants, first, Wm. Schray; second, Chas. Beyer.

Five specimen plants, five varieties, first, A. Meyer; second, Chas. Beyer.

Specimen plant naturally grown, first, Wm. Schray; second Chas. Beyer.

Three plants, white, pink and yellow, first, Chas. Beyer; second, A. Meyer.

Three plants any color, first, Chas. Beyer; second, Geo. B. Windler.

Three plants different colors, first, C. Beyer; second, Young & Sons Co.

Three plants, yellow, white and pink, first, Geo. B. Windler; second, C. Beyer.

Three plants, pink, yellow and white, first, Chas. Beyer; second, A. Meyer.

Three plants any color, first, C. Beyer; second, Wm. Schray.

Three plants assorted colors, first, Wm. Schray; second, A. Meyer.

Three plants, three colors, first, Wm. Schray; second, G. B. Windler.

Three plants, white, yellow and pink, first, Wm. Schray; second, A. Meyer.

Specimen plant, white, first, Wm. Schray; second, A. Meyer.

Specimen plant, yellow, first, Wm Schray; second, A. Meyer.

Specimen plant, any other color, first, Wm. Schray; second, A. Meyer.

Single-stemmed plants: Fifty, first, A. Meyer; second, Wm. Schray; third, Chas. Beyer.

Twenty-five white, one variety, first, Wm. Schray; second, A. Meyer.

Twenty-five pink, one variety, first, A. Meyer.

Twenty-five yellow, one variety, first, A. Meyer; second, Wm. Schray.

Twenty-five assorted varieties, first, Chas. Beyer; second, A. Meyer.

Twelve plants, four white, four yellow and four pink, first, Vaughan's Seed Store; second, Chas. Beyer.

Twenty-four plants, eight white, eight yellow and eight pink, first, Chas. Beyer; second, A. Meyer.

Group of chrysanthemum plants to cover fifty square feet, first, G. B. Windler; second, Chas. Beyer.

Group to cover 100 feet, first, Chas. Beyer.

Group to cover 100 feet, first, Chas. Beyer; second, C. C. Sanders.

Group to cover twenty-five feet, first, Julius Koenig, Jr.; second, A. Meyer.

CUT BLOOMS, ETC.

Forty-eight cut chrysanthemums, eight sorts, first, Young & Sons Co.; second, Wm. Schray.

Twenty-five blooms white, first, W. J. Vesey, Fort Wayne, Ind.; second, West End Floral Park, Belleville, Ill.; third, E. W. Guy, Belleville, Ill.

Twenty-five blooms yellow, first, J. F. Ammann, Edwardsville, Ill.; second, West End Floral Park; third, W. A. Chalfant, Springfield, Mo.

Twenty-five blooms pink, first, W. J. Vesey; second, West End Floral Park.

Twenty-five blooms, assorted colors, first, Nathan Smith & Son, Adrian, Mich.; second, C. C. Sanders; third, Gunnar Teilmann, Marion, Ind.

Vase of cut blooms, white, first, W. J. Vesey.

Twelve blooms Golden Wedding, first, Chicago Carnation Co.; second, Nathan Smith & Son.

Vase of fifty blooms, first, Wm. Schray; second, Young & Son's Co.

Twenty-four blooms in three varieties, first, Nathan Smith & Son; second, W. J. Vesey.

Vase of white blooms grown in natural cluster, first, Wm. Schray.

Twenty-five Bridesmaids, first, F. J. Fillmore; second, W. J. Vesey; third, E. W. Guy.

Twenty-five blooms Scuv. de Wooton rose, first, Ellison & Tesson.

Twenty-five Perle des Jardins, first, J. F. Ammann; second, E. W. Guy; third, F. J. Fillmore.

Ten blooms American Beauty, first, Ellison & Tesson; second, Young & Sons Co.

Twenty-five Perle des Jardins, first, F. J. Fillmore.

Twenty-five Bride, first, Ellison & Tesson; second, W. J. Vesey.

Twenty-five Meteor, first, W. J. Vesey; second, W. H. Gullett & Son, Lincoln, Ill.

Eighteen American Beauty, first, Ellison & Tesson.

Eighteen American Beauty, first, R. F. Tesson; second, Ellison & Tesson.

Vase of pink roses, any variety, first, W. J. Vesey; second, Ellison & Tesson.

Four vases tea roses, first, Ellison & Tesson; second, F. J. Fillmore.

Twenty-five American Beauties, first, Ellison & Tesson.

Fifty Perle des Jardins, first, J. F. Ammann.

Fifty Wm. Scott carnations, first, W. J. Vesey; second, Wm. Trillow, Belleville, Ill.

Fifty Daybreak, first, J. W. Ammann; second, W. J. Vesey; third, A. Eggeling.

Fifty Jubilee, first, W. J. Vesey; second, E. W. Guy.

Fifty variegated, first, Chicago Carnation Co., Joliet, Ill.; second, W. J. Vesey; third, A. Eggeling.

Fifty white, first, Chicago Carnation Co.; secoud, W. J. Vesey.

Fifty pink, any variety not classed above, first, H. Weber & Sons, Oakland, Md.; second, Chicago Carnation Co.

Fifty red, any variety not mentioned above, first, Chicago Carnation Co.

Forty Jubilee, first, W. J. Vesey.

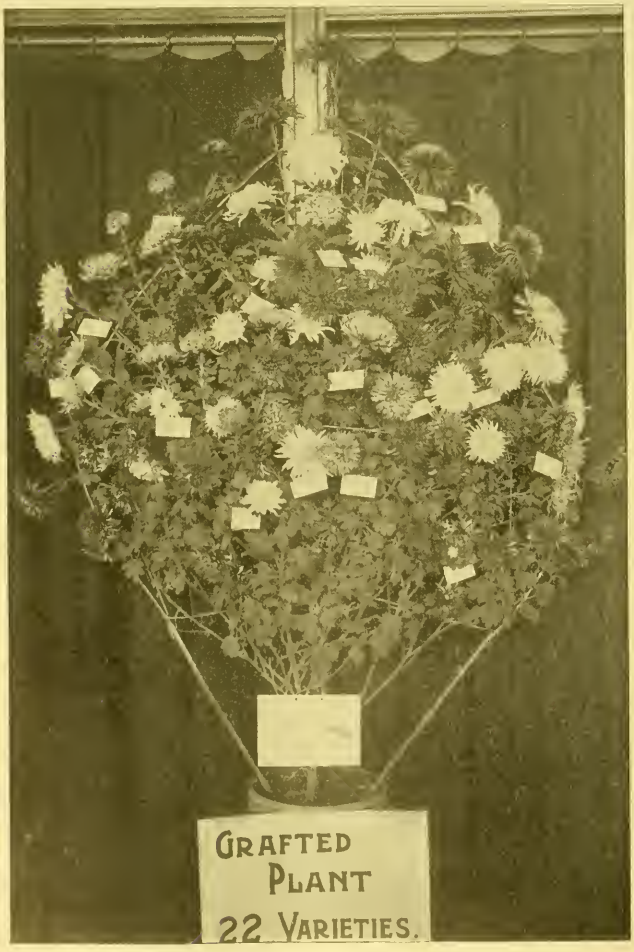
Fifty Daybreak, first, W. J. Vesey.

One-hundred, Wm. Scott, first, Chicago Carnation Co.; second, Wm. Trillow.

Design representing M. K. & T. R. R. trade mark, first, Young & Sons Co.; second, Ellison & Tesson.

Design representing the Frisco R. R. trade mark, first, Ellison & Tesson.

Design representing Missouri Pacific trade mark, first, Ellison & Tesson.



GRAFTED CHRYSANTHEMUM, BEARING 22 VARIETIES, SHOWN BY VAUGHAN AT THE CHICAGO EXHIBITION.

Baltimore.

On Monday, November 13, the Baltimore Gardeners' Club opened an exhibition in many respects the most remarkable ever held here. It was remarkable for the display of cut flowers, for the exhibit of carpet bedding, which was never equalled here, and then the display of carnations was, for the first day, the wonder and admiration of all beholders. From some cause most of the carnation blooms had gone to sleep before the expiration of the second day. The pot plants of chrysanthemums were, as a rule, not up to the general high character of the cut blooms, but certainly the standards that took first were very fine, and the collection of bush plants would be hard to beat.

Returning to the cut flowers, the exhibit by which Halliday Bros. took the Meadowvale Farm prize for four vases, twelve blooms each, distinct colors, was superior in every respect. Mrs. T. L. Park for clear yellow, Philadelphia, lemon yellow; Mayflower, white, and Jno. K. Shaw, light pink, were all of enormous size and extra finish. Mrs. Robt. Garrett's prize for best vase of twenty-four whites was taken by Howard Adams with a superb vase of Violescent.

The vase that took first for twelve mixed blooms contained Frank Hardy, Philadelphia, Pennsylvania, Good Gracious, Autumn Glory, Harry May, Pink Ivory, Wm. H. Chadwick, John K. Shaw, Mrs. C. H. Pierce, Mrs. Jerome Jones and Modesto, and although most of the varieties were very familiar to Baltimore growers, yet in size and finish they were a revelation and the finest ever shown here. They were grown and exhibited by Henry Eichholz, Waynesboro, Pa.

The first prize for twelve blooms of yellow was won by Montgomery Bros., with Golden Wedding. A vase of Eugene Dailledouze which took second was scarcely inferior to the first and were of beautiful finish; they were grown by M. J. Hanigan, gardener to Hon. Jas. A. Garey. The same grower took first on twelve pink with Maud Dean, and received a certificate of merit for a vase of a pure white sport from Ermenilda. He also took the second prize for twelve mixed blooms with flowers that would ordinarily have captured first, but the Eichholz monsters were in the way. His varieties were Philadelphia, Mayflower, Niveus, Eugene Dailledouze, Inter Ocean, Major Bonnaffon, Maud Dean, Queen, Mrs. J. Geo. Ils, W. H. Lincoln, Golden Wedding and Harry Balsley.

In roses H. Weber & Sons, Oakland, Md., took well-deserved firsts on Kaiserin and Meteor. Henry Eichholz had first for Perle, with the best seen here in a long time, and I. H. Moss took first with Bridesmaid.

Genevieve Lord took the special gold medal for the best pink seedling carnation. The flowers were fully three inches in diameter and of a very beautiful shade of pink, somewhat lighter than Scott. They were grown by Weber & Sons, Oakland. Robt. Craig & Son had Ethel Crocker on exhibition. This, too, is a remarkably fine, large, stiff-stemmed flower of a shade darker than Daybreak. It is claimed by the originators to be free blooming, and to keep its size very evenly.

Halliday Bros. took first in six varieties, twenty-five of each, with Flora Hill, Gen. Gomez, Victor, Daybreak, Mrs. Bradt and America. The same firm took a special prize for six 8-inch pots of Matt. Richmond, their red sport from Tidal Wave. They were fine plants covered with blooms of large size and thick set, with clean healthy foliage.

Thos. C. Stevenson, of Govanstown, took first prize on violets, with a fine vase of Marie Louise.

A mantel by Seidewitz was very tastefully decorated. Fred Burger took first for a wedding design with an ox yoke, the bows of which were of white roses and the yoke Mrs. Perrin chrysanthemums. The same exhibitor captured the first prize for basket, funeral design and bridal bouquet and richly deserved the premiums, for more tastefully arranged pieces or better flowers would be hard to find.

Henry F. Michell, of Philadelphia, had a seed and implement display, as did Griffith & Turner, a local firm. Robert Kift sent samples of his vase and pot holder.

The stage was set and beautifully decorated with palms by Halliday Bros. Fisher & Ekas had a fine lot of zonal geraniums occupying a stage at the entrance and R. Vincent, Jr., & Son showed three flowers of a bright yellow oddity, two blooms on one stem so very closely set as to form but one flower, except to the closest examination.

The most striking feature of the whole show was a twenty-foot circular bed in the center of the hall which was filled by Chas. Seybold with an intricate Gothic pattern of cacti, echeveria, coleus, alternanthera, etc., bordered by adiantum. The whole was most elaborate and proved that the designer can do something besides sending the whirling ball down among the crashing pins. There were 5,600 plants required to complete the bed and it was the chief plant attraction of the exhibition.

The judges were John Burton, Wm. P. Craig, Geo. C. Watson, Jno. Westcott, C. W. Cox and R. Kift, of Philadelphia. Mr. and Mrs. William Scott, of Buffalo, as well as Mr. Dryer, of New York, and Mr. Ashland, of Philadelphia, were in to see the show. MACK.



CHRYSANTHEMUM WINONA.

Montreal.

The Montreal Gardeners' and Florists' Club not having a chrysanthemum show this year, the competition for the two trophies presented to the club by Lord Strathcona, one for twelve blooms and the other for six plants, which have to be won three times by any competitor before becoming his property, took place in the club room on November 13. There were only two competitors with cut blooms, W. J. Wilshire, gardener to R. B. Angus, coming in first with the following varieties: Iora, Minerva, Col. Smith, Leonidas, Mrs. Morgan, La Moucherette, Mrs. Henry Weeks, Inter Ocean, Golden Wedding, E. M. Bigelow, Madame Carnot and Silver Cloud, the largest bloom, Mme. Carnot, measuring ten inches in diameter. Chas. F. Smith, gardener to T. A. Dawes, was a close second with Mrs. Perrin, Golden Wedding, Australian Gold, Mme. Carnot, Latest Fad, Col. Smith, Inter Ocean, Mrs. Geo. West, Viviand—Morel, W. C. Egan, Modesto and Mlle. Faure. Mr. Smith also staged seven blooms of the following varieties which were very much admired: Mrs. Trainor L. Park, N. C. S. Jubilee, E. M. Rodgers, Mme. G. S. Bruant, Admiral Dewey, J. G. Warren, and Mlle. Faure.

Mr. Smith was the only competitor for the trophy for six plants. His varieties were Mrs. Henry Weeks, Georgiana Pitcher, Ivory, Harry Hurrell, Mrs. Shrimpton and Mrs. Perrin, all fine plants with from sixty to seventy-five blooms each.

Joseph Bennett staged two magnificent vases of blooms of the commercial size, which were very much admired. After the exhibits had been thoroughly discussed, the club meeting was called to order. One new member was elected and a committee was named to co-operate with a similar committee from the Canadian Horticultural Association to arrange the details for the reception of the association next August. A lively discussion also

took place as to the advisability of holding a chrysanthemum show next year, and it was decided to open a subscription list for a guarantee fund to cover the cost; if sufficient funds have been guaranteed by January, arrangements will be made for a show. BEAVER.

Worcester, Mass.

Notwithstanding many predictions to the contrary the chrysanthemum exhibition of the Worcester County Horticultural Society, held on November 8 and 9, was one of the most successful ever given by the society. The arrangement of the hall was but slightly different from that of last year, which was very effective. In the center of the hall the single specimen blooms were arranged on an immense round table, the center of which was banked with palms. Directly in line were square tables containing the various exhibits of roses, carnations and violets, with palms and ferns dotted here and there to bring out the color effects. On long tables running lengthwise of the hall, and somewhat lower than the center tables, were placed the vases containing the collections of ten of one variety and directly in front of the stage were the large collections of twenty of one variety. Against the side walls of the hall were the groups of chrysanthemum plants, making a gorgeous massing of color. The display of plants and flowers was larger than ever before and the quality of both showed much improvement over former exhibitions. The attendance was large and the weather was perfect.

The twelve best blooms were of the following varieties: Viviand-Morel, Maud Dean, Mrs. Jerome Jones, Mrs. H. Weeks, Philadelphia, Belle of Castlewood, H. W. Reiman, Mrs. Trainor L. Park, Adele, Mrs. Barr, Bonnaffon, Mrs. O. P. Bassett and Niveus.

Four premiums were awarded in all classes and the following are some of the first premium winners: H. F. A. Lange, F. A. Blake, W. A. Sargent, Mrs. G. W. Knowlton and Mrs. J. C. Knowlton. Lange was first for collection of chrysanthemum plants, for best plant of yellow, white and pink, for twenty blooms pink, for ten blooms white and yellow, for twelve blooms of a distinct variety, for single bloom white and pink, for collection of sprays, for best design of chrysanthemums, for display of roses, carnations, foliage plants and specimen palm. F. A. Blake was first for plant of white, for twenty blooms yellow and for specimen fern. W. A. Sargent was first for twenty blooms white and display of violets. Mrs. Knowlton had the best ten blooms yellow, the best six specimen blooms and the best single bloom of yellow. Mrs. Whitin showed the best ten blooms of mixed varieties. A. H. L.



CHRYSANTHEMUM BONITA.

Providence, R. I.

The Rhode Island Horticultural Society held its annual chrysanthemum show on November 9 and 10. From the standpoint of merit it was fully up to former exhibitions, but from the fact that no premiums were offered for pot grown specimens, the show was much smaller than heretofore. There was little competition on chrysanthemums, and no new varieties were displayed, the old prize winners holding their sway. There was a very creditable display of carnations.

In chrysanthemums F. Macrae took first for thirty blooms, fifty bottles, twelve blooms, six blooms incurved, six blooms reflexed, one bloom white, one pink, one yellow, one of any variety and six vases of ten blooms (also diploma and second and third premiums). Wm. Goddard, Alfred Powell, gardener, was second for one bloom white, one pink, one yellow and one of any variety.

On group of palms Mrs. Shepard, Wm. Hill, gardener, was first and Wm. Goddard second.

In the carnation classes the Homogansett Greenhouses took four firsts and two seconds, John Macrae two firsts and four seconds, and N. D. Pierce one first, a second and a third.

Gratuities were given to H. G. York, Westerly, R. I., for a seedling chrysanthemum, to Florence A. Willard for a floral design, to N. D. Pierce for thirty-six cyclamens and nine pots ferns, to John Macrae for a sport from Eldorado carnation, to F. Macrae for Begonia Gloire de Lorraine, for Mrs. Bradt carnation and for seedling carnations, and to Wm. Goddard for Gold Nugget carnation.

Honorable mention was given to John McFarland, North Easton, Mass., for Farquhar violets, and to T. G. Thrasher, Avon, Mass., for Imperial violets.

Certificates of merit were given to N. D. Pierce for his light pink carnation, Beau Ideal, and to Chas. S. Cooper, Brockton, Mass., for Crawford carnation and a sport from the same.

LITTLE RHODY.

Hartford, Conn.

The annual chrysanthemum show of the Connecticut Horticultural Society at Putnam Phalanx Armory, November 13 to 16 was a great success. Thomas Dryden, Hartford, carried off the honors for display of chrysanthemum plants with Georgiana Pitcher, G. W. Childs, Frank Hardy, Autumn Glory, Golden Trophy, Eda Prass, Solar Queen, Black Hawk, Mrs. C. H. Pierce, Mrs. Robinson, H. W. Rieman and C. B. Whitnall. His standards of Etoile de Lyon were also fine.

Dryden and T. J. McRonald divided honors on bush plants, their varieties being Mrs. L. Canning, Mayflower, Ivory, Major Bonnaffon, Golden Trophy and Cullingfordii.

On cut blooms the prize winners were E. H. Waite, Litchfield, Conn; T. J. McRonald, Hartford; W. Angus, Championville; Wm. Young, John Coombs and Elizabeth Park, Hartford. The varieties shown were Mrs. Morgan, Philadelphia, Pennsylvania, Modesto, Golden Wedding, Mrs. O. P. Bassett, Symphonia, Helen Bloodgood, Mrs. Perrin, Autumn Glory, Ivory, Mrs. Weeks, Evangeline, Mayflower, Mutual Friend, Queen, Cullingfordii, Black Hawk and John Shrimpton.

The amateurs' display was good and for childrens' chrysanthemums the gold medal was awarded to Philip S. Wain-

wright and the silver medal to Ethel Wakeman. The schools also exhibited herbariums.

In carnations John F. Galvin showed Mrs. Lawson and there was a fine collection from J. F. Fillow, Westport, Conn., for which he was given a diploma.

There were good displays of greenhouse plants from Dryden, Coombs and Angus and Paul Thompson showed good violets.

Elizabeth Park nurseries made a large display of chrysanthemums and geraniums and James Ballantyre, gardener to ex-Governor M. P. Bulkeley showed a good seedling carnation. Diplomas were awarded Thos. Dryden for his chrysanthemum plants and to John Coombs for cut blooms. C. H. B.

Poughkeepsie, N. Y.

The fifth annual exhibition of the Dutchess County Horticultural Society was opened on November 8 and continued for three days. Although competition in many of the classes was not as strong as formerly, this being particularly noticeable in the classes for cut blooms of chrysanthemums, the general exhibition was just as attractive as in previous years and the quality of the exhibits was up to the standard. In the classes for chrysanthemums, specimen plants and cut blooms, the coveted prizes were again captured by W. C. Russell, Millbrook, and it may safely be said that the quality of the exhibits in these classes has never been excelled.

One of the attractions was a group of chrysanthemums in pots, containing over 300 blooms, exhibited by F. W. Vanderbilt. Although there was no competition in this class the exhibit certainly merited the award. The prize for American Beauty roses was hotly contested and was carried off by Jas. Blair, gardener to Ogden Mills, with F. R. Pierson Co., of Tarrytown, a close second. Outside of the violets exhibited by J. W. Feeter, Highland, N. Y., the display was only fair for a violet growing center, but in the classes for carnations the quality of the blooms was excellent.

Some handsome plants were exhibited in the collections of decorative and foliage plants and were tastily arranged. The table of orchids from the Dinsmore estate was a show in itself and attracted a great deal of attention. The attendance was good and we believe the exhibition was a success financially as well as otherwise. The awards are as follows:

Thirty-six blooms cut chrysanthemums, six varieties, first prize, the Dinsmore silver cup, C. F. Deiterich, W. C. Russell, gardener; second, Ogden Mills, James Blair, gardener. The winner's varieties were Mayflower, Peter Kay, Frank Hardy, Golden Wedding, Viviand-Morel and Major Bonnaffon.

For best twelve yellow, W. C. Russell was first with Peter Kay. Twelve pink, Jas. Blair, first with Viviand-Morel. Twelve crimson, F. W. Vanderbilt, first. Six white, first, Winthrop Sargent, W. G. Gomersall, gardener. Six yellow, first, W. C. Russell, with Major Bonnaffon. Six pink, first, W. C. Russell. Six crimson, first, Jas. Blair. Six any other color, first, F. W. Vanderbilt with Chas. Davis.

Open class, twenty-five blooms in vase arranged for effect, first, R. Grigg, gardener to C De Rham; second, W. G. Gomersall. Private gardeners' class, twenty-five blooms, first, R. Grigg; second, W. G. Gomersall.

Best seedling chrysanthemum, first, R. Grigg, with sport from Silver Cloud.



CHRYSANTHEMUM MRS. GEO. C. JENKINS.

Twenty-four blooms, twenty-four varieties, on boards, W. C. Russell captured first prize with Peter Kay, Mayflower, Mrs. H. Weeks, Miss Nellie Elverson, Modesto, Eureka, J. Peabody, W. P. Raynor, Fisher's Torch, Defender, Niveus, Pennsylvania, Mrs. C. H. Pierce, John Shrimpton, Mutual Friend, Marie Louise, Lenawee, Minerva, Maj. Bonnaffon, Autumn Glory, Viviand-Morel, Golden Wedding, Harry May and Mme. Ferlat; second, W. G. Gomersall.

Twelve blooms, twelve varieties, on boards, first, Jas. Blair with Frank Hardy, Modesto, Mrs. H. McK. Twombly, Mrs. T. L. Park, Autumn Glory, Mrs. G. M. Pullman, Mrs. J. G. Warren, Mrs. M. A. Ryerson, Viviand-Morel, Lady Playfair, Florence Pullman and Golden Wedding; second, Samuel Thorne, I. L. Powell, gardener.

Group, one hundred square feet of chrysanthemums, first, F. W. Vanderbilt. Six plants, single stems, first, W. C. Russell. Specimen white, first, W. C. Russell with Ivory; second, I. L. Powell. Specimen yellow, first, W. C. Russell with Lincoln; second I. L. Powell.

Group of foliage plants, one hundred square feet, first, F. W. Vanderbilt; second, F. R. Newbold. Specimen foliage plant, first, F. R. Newbold; second, Arch. Rogers. Six decorative foliage plants, first, F. W. Vanderbilt; second, Arch. Rogers. Six ferns, first, W. B. Dinsmore; second, F. W. Vanderbilt.

Table of orchids, first, W. B. Dinsmore, Thos. Emerson, gardener; second, F. R. Newbold. Table of foliage plants, first, W. B. Dinsmore; second, F. W. Vanderbilt. Specimen plant, Asparagus Sprengerii, first, W. G. Gomersall. Specimen fern, first, W. G. Gomersall with Davallia Fijiensis. Six plants double violets, first, C. F. Bahret.

Twelve American Beauties, first, Jas. Blair; second, F. R. Pierson Co. Twelve Bridesmaids, first, I. L. Powell; second, W. C. Russell. Twelve Brides, first, I. L. Powell; second, W. C. Russell. Twelve Perles, first, Arch. Rogers. Twelve any other variety, first, Jas. Blair with Mrs. J. P. Morgan; second, W. C. Russell with same. A special prize was awarded to F. R. Pierson Co. for the new rose Liberty.

Collection of carnations, the Dinsmore silver cup, was awarded to F. R. Pierson Co.; second, W. G. Saltford. Thirty-six carnations, three varieties, for private gardeners, first, F. W. Vanderbilt. Thirty-six carnations, three varieties, variegated, open class, first, F. R. Pierson Co. Seedling carnation, first, F. R. Pierson Co. with Mrs. Thos. W. Lawson.

Corsage bouquet, double blue violets, no first awarded; second, B. Willig. Double violets, first, J. W. Feeter; second, B. Willig. Single violets, no first awarded; second, W. C. Russell.

Sargent prize, $20, for best twenty-four blooms yellow chrysanthemums, four varieties, first, W. C. Russell, with

Minerva, Peter Kay, Golden Wedding and Maj. Bonnaffon.

A certificate of merit was awarded to John Marshall for yellow seedling chrysanthemum Col. D. Appelton.

The special prize for best chrysanthemum on exhibition was awarded to W. C. Russell for Mayflower.

There were excellent exhibits of fruits and vegetables for which R. Grigg, Arch. Rogers and Dean Ferris were the principal winners.

Madison, N. J.

The fourth annual show of the Morris County Gardeners' and Florists' Society was held in the Assembly rooms at Madison, N. J., November 7 and 8 and was an unqualified success in every way. The exhibits were of exceptional quality, numerous, and the attendance was very large. The judges were J. W. Withers, N. Butterbach and George Smith.

In the classes for cut blooms M. Tilden, M. McNulty, gardener, won three firsts; G. E. Kissell, G. L. Hand, gardener, one first, and Henry Hentz, J. Milton, gardener, one first. The seconds fell to George Bird, John N. May and Mrs. J. Catlin, A. Coren, gardener.

In the class for the Young & Nugent prize of $50, cut blooms of roses, twenty-five of each of four varieties, Elwood Brant was the only exhibitor. Walter Reid, M. Noonan, gardener, had the best eighteen American Beauties and Henry Hentz, Jr., the best twelve; he also had the best eighteen Bridesmaids. Frank Burnett showed the best eighteen Brides, the best six Bridesmaids and the best six Brides.

In the competition for three varieties of carnations, eighteen blooms each, two competitors were disqualified by having too many blooms and the prize fell to the Morris Plains asylum.

J. W. Feeter had a splendid showing of violets and won first prize. Three other exhibitors staged their blooms too late for judging.

The premium for the best group of chrysanthemums fell to Mrs. A. R. Whitney, J. Davies, gardener, with Mrs. J. Catlin second and John Jones third. Emerson McFadden had the best group of foliage plants, Wm. Charlton the best specimen plants in flower, and Mrs. J. Catlin the best dozen ferns.

Mrs. A. R. Whitney had the finest collection of vegetables and this department was a prominent feature of the show.

Certificates of merit were given to D. Willis James, Wm. Duckham, gardener, for a splendid group of foliage plants, for specimen Dracæna Sanderiana, for a specimen Phœnix Roeblingii and for a collection of fruit and vegetables, while ten vases of chrysanthemums by the same exhibitor were given a silver medal. H. McK. Twombly, A. Herrington, gardener, was given certificates of merit for a group of palms and ferns, for a table decoration of orchids, for eight vases of chrysanthemums and a display of Gros Coleman grapes. Lager & Hurrell were given a certificate for a table decoration of orchids, John L. Foley for a group of foliage plants and for a basket of flowers, Ernst Asmus for a vase of Liberty rose, Anderson & Christensen for a group of ferns. Dean Ferris was given a certificate for a showing of 103 varieties of vegetables and special mention for his celery and apples. John N. May received a certificate for his display of pompon varieties of chrysanthemums and the Morris Plains asylum, O. Keser, gardener, for four vases of chrysanthemums. C. H. A.

Millbrook, N. Y.

The seventh annual chrysanthemum exhibition of the Millbrook Horticultural Society was held in Memorial Hall on November 8, 9 and 10. In most of the classes it was, as heretofore, a close contest for supremacy between those two gladiators in Duchess county horticulture, W. C. Russell, gardener to C. F. Dieterich, and I. L. Powell, gardener to Sam'l Thorne. Mr. Russell won out on three trained specimens with grand plants of Puritan, Ivory and W. H. Lincoln, and on group of flowering and foliage plants arranged for effect, with a superb collection in the arrangement of which great taste was displayed. Mr. Powell won on specimen standard, three hardy varieties, and twenty-five single stemmed pink, while three of his assistants were equally successful. Mr. Sealey with three specimens in 8-inch pots, Mr. Reynolds with twenty-five each white and pink single-stemmed plants and Mr. Burke with a specimen W. H. Lincoln in 14-inch pot which measured seven feet six inches across and was pronounced one of the finest ever staged. The first prize



CARNATION IRENE.
(Awarded Silver Medal at the Chicago Exhibition.)

for geraniums went to G. Thomen, gardener to J. D. Wing, who showed six standards of rare excellence.

In the cut flower section competition was exceedingly close, Mr. Russell taking three first premiums and Mr. Powell five, and in one of the most important classes, that calling for eighteen blooms in three varieties, the judges were unable to decide as to superiority, so recommended even premiums. Among the varieties shown in best form were Golden Wedding, Mrs. Weeks and Peter Kay, a bloom of the latter from Mr. Russell taking the prize as the largest flower in the show. Mrs. Powell showed a vase of Mrs. Perrin beautifully arranged with fronds of Davallia Mooreana. There were a goodly number of roses shown by the above mentioned exhibitors, also by Andrew Nichols, gardener to Col. Dan Lamont; Chas. Rapp, gardener to Oakley Thorne, and F. R. Pierson Co. G. Thomen won out in most of the carnation classes with some very fine blooms. The judges were Richard Gardner, Newport, R. I.; A. D. Rose, Montclair, N. J., and W. J. Stewart, Boston.

Previous to the opening of the exhibition, the visiting gardeners and florists were given a ride and visited the two fine estates under the care of Mr. Powell and Mr. Russell. A noticeable feature of the greenhouses at Mr. Thorne's, where Mr. Powell presides, was the great variety of subjects under cultivation, grapes, beans, tomatoes, peaches, figs, cucumbers, carnations, roses, chrysanthemums, aquatics, ferns, orchids and stove plants, and all excellent. The extensive grounds are well wooded, with numerous plantations of rhododendrons kalmias and coniters in the glades and valleys. Mr. Dieterich's place, where Mr. Russell has charge, is remarkable for the extensive constructions in rock-work of bridges, gate ways, walls, arbors and cottages in Swiss style, wholly or partially completed. The conservatories are very fine, notably the central palm house which is a splendid, domed structure nearly forty feet in height and filled with towering alsophilas, kentias and latanias and an additional greenhouse of large extent is now being built. This estate comprises about 3,000 acres. Other large places here are those of Oakley Thorne, Capt. Hayes and J. D. Wing.

Millbrook is a very picturesque town, hilly and well wooded, the ideal place for a country residence. Other than this, its most noticeable features are apples, turkeys and sheep, and, last but not least, the very hospitable character of mine host Gammell.

CHRYSANTHEMUMS.

SOME NEW VARIETIES.

Winona was exhibited by John N. May, Summit, N. J., as No. 145. The bloom is large and full and the plant is of vigorous habit. The petals are white at the base with veins of deep pink running through the outer ends, making a striking combination and lending great attractiveness to the flower. Mr. May reports that he has found the variety an excellent commercial sort, a good shipper and keeper.

Bonita, exhibited at New York and Philadelphia by Mr. May, was recorded as No. 2 in the reports of the committees. At the former city it scored 82 points on the commercial scale and at the latter place 88 points and 86 points on the commercial scale. It is a deep golden bronze Japanese incurved, and very handsome. It is a bold flower with an excellent stem well clothed with foliage.

Mrs. George C. Jenkins is a Japanese incurved pink variety originating with Wm. Paul Binder, Rider, Md.; it has received the certificate of merit of the Gardeners' Club of Baltimore. The blooms are large, frequently eight or ten inches in diameter, but never show the center. It is a mid-season or later variety with excellent stem and foliage. It is a good commercial sort of excellent keeping quality. Before the C. S. A. committee Mrs. Jenkins scored 86 points on the commercial scale and 87 on the exhibition scale.

WORK OF THE COMMITTEES.

New York.—A white sport from Ermenilda was exhibited by M. Hansen, New Durham, N. J., which scored commercial scale 66 points.

Cincinnati, O.—Nathan Smith & Son, Adrian, Mich., exhibited the following three varieties: No. 28, a light yellow

Japanese, scoring commercial scale 61 points; No. 72, a bronze Japanese, scoring commercial scale 62 points; No. 25, a pink Japanese incurved, scoring commercial scale 74 points.

Chicago.—No. 25, a Japanese incurved pink, exhibited by Nathan Smith & Son, scored commercial scale 83 points.

John N. May has named his varieties as follows: No. 2, Bonita; No. 145, Winona. These were reported upon under number last week.

ELMER D. SMITH, Sec'y.

CHRYSANTHEMUM SOCIETY COMMITTEES.

The committees judging seedling chrysanthemums will be in session each Saturday up to and including November 25. Exhibitors should make their entries, for which a fee of $2 is charged for each variety entered, to the secretary not later than Tuesday of the week they are to be shown. All exhibits forwarded to the following addresses, express charges prepaid, will receive careful consideration:

Boston, Mass., A. H. Fewkes, Horticultural Hall, Tremont street.

New York, N. Y., E. Dailledouze, care New York Cut Flower Co., 119 West Twenty-third street.

Philadelphia, Pa., A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O., A. Witterstaetter, care Cincinnati Cut Flower Co., Fourth and Walnut streets.

Chicago, Ill., C. W. Johnson, care Illinois Cut Flower Co., 51 Wabash avenue. ELMER D. SMITH, Sec'y.

CARNATIONS.

ABSENCE OF A SATISFACTORY WHITE VARIETY.

A thoughtful visit to our growers reveals some peculiar facts that raisers of seedlings should especially heed. Perhaps the most unthought of is the fact that we really have not a thoroughly satisfactory white carnation.

White Cloud has the preference with many growers but the most enthusiastic will admit that it does not quite fill the bill. It has size, form and stem to perfection but only first-class growers get the best results with it and, as nearly as I can learn, the blooms must bring a good figure to pay. This fact is a strong recommendation for it, as there is more use for a high-priced than a low-priced carnation.

Flora Hill will, I suppose, have to take second place this winter as it seems to be losing a little in constitution and does not show up quite so well for November as it has during previous seasons. Even with its defects it will probably be a standard white for a few years to come and until something better appears it is certainly worth the careful selection of cuttings necessary to keep it in good health.

Lizzie McGowan is still grown to some extent and where it has been carefully selected is perhaps the best all-round white, but it has been carefully selected by but very few growers and has consequently met the fate of all our carnations, good or otherwise, and is practically outside of consideration.

I may be entirely wrong in my conception of facts, but it seems to me that what constitution McGowan has is due to the fact that there never was such a demand for the cuttings as to necessitate over-propagation. McGowan at its best had not what might be called a strong constitution and yet it seems to have gained rather than lost in that quality.



THE NEW CARNATION ETHEL CROCKER.

What a pity that such a grand variety as Flora Hill did not improve instead of retrograde!

What we most need to-day is a white flower of good size with the requisite form and calyx, producing from twenty to thirty long-stemmed blooms to a plant. I may be presuming again and getting beyond my business, but to the grower who is lucky enough to get such a variety I would like to suggest that, instead of trying to see how many cuttings can be taken from a plant and how fast the stock can be increased, a trial be made to maintain the vigor of the stock by careful selection.

If I were fortunate enough to have a white that I thought would fill the bill and had but one plant, I would not try to have a hundred from that one plant for next season but would see that every cutting taken from the plant was so good that it would simply be impossible for it to have less vigor than its parent. This selection would be kept up right along and as soon as the stock was worked up a bit if a plant showed any signs of weakness it would be weeded out.

This process might mean a few years' delay in the introduction of the variety, but those few years would add to its laurels and make its introduction all the more brilliant. They would also mean an increase of your stock to a sufficient number that when you came to introduce it you could keep up the process of selection, instead of being compelled to take everything that could be made to root, as is too often the case.

Possibly some good whites are in existence to-day, and possibly some have been offered to the trade, but they have not as yet reached the majority of growers. In these days of full page advertisements and the exhibition of flowers at all the shows and all the florists' clubs throughout the country, a carnation, to reach the growers, must be exploited by what our friend Ward calls the boom method.

The owners of seedling carnations which have not met with the recognition they deserve can do nothing better than bring them to the meeting of the American Carnation Society at Buffalo next February. There will be a host of growers at that meeting looking for a good white and it is only by bringing it yourself that you can determine for your own satisfaction whether or not it is really as good as you think it is. If it stands the test of comparison with the other varieties of the show and favorably impresses the members of the society, you can, with some assurance go home and work up a stock of it for dissemination. Even if it falls short of the requirements in a seedling carnation of to-day you will have learned what is necessary and this in itself will make your trip a profitable one. ALBERT M. HERR.

MITCHELL, So. DAK.—E. C. Newbury reports his October business far ahead of a year ago and prospects never so bright as at present.

VINCENNES, IND.—W. A. Reiman is planning to build two houses for carnations next spring. One will be 16x66 and the other 16x80.

THE AMERICAN FLORIST

subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate, $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

A white sport of Begonia Gloire de Lorraine is said to have made its appearance in Scotland.

THE educational value of flower shows can be materially advanced if the managers insist that all exhibits be correctly and conspicuously labeled.

THE green market is easier; for ten or fifteen days the supply has increased, but latest reports indicate that pickers are about through for the season.

HOLLY, fancy, is likely to bring fairly good prices, nor is there any indications of over stock of average grade. The constant depletion of the groves by vigorous cutting reduces the supply.

IN last week's advertisement of the Fred. Dorner & Sons Co., LaFayette, Ind., the varieties Ethel Crocker, The Marquis and Olympia were omitted by error from the list of varieties for 1900.

THE firm of J. M. Thorburn & Co. is sending out an attractive new form of Salvia splendens. The variety is named Silverspot and bears the usual scarlet flowers of the type with green leaves profusely spotted creamy white.

THE prize of $10 offered in the AMERICAN FLORIST for the most appropriate name for the Skabcura Dip Co.'s new insecticide has been awarded to Ignatius Schmitt, 489 East Oak street, Portland, Ore., who suggested Nicoteen Aphis Punk.

JOHN BREITMEYER & SONS, Detroit, made a beautiful display of chrysanthemums, orchids and roses, at their tenth annual show, November 14–16, to which they issued invitations in the form of a handsomely printed booklet in lithographed covers, the text by Mrs. G. W. Martin, drawings by J. H. Gardner-Soper.

THE death of Georges Warocque, a celebrated horticulturist, of Belgium, is announced. He was visiting Pekin, China, at the time of his demise. Mr. Warocque was one of the most prominent men in the horticultural societies of his country and his collection of orchids and other rare plants has acquired a universal reputation of being the finest and largest of any private collection in the world.

Catalogues and Cut Flower Price Lists Received.

Silva & Bergtholdt, Newcastle, Calif., trees and shrubs; Glen St. Mary Nurseries, Glen St. Mary, Fla., trees and shrubs; I. W. Lozier, Des Moines, Iowa, plants and cut flowers; The California Rose Co., Los Angeles, Calif., roses; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers; C. C. Pollworth Co., Milwaukee, Wis., cut flowers; E. C. Amling, Chicago, Ill., cut flowers; C. A. Kuehn, St. Louis, Mo., cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies; W. E. Lynch, Chicago, Ill., cut flowers and florists' supplies.

Greenhouse Building.

Warren, R. I.—Seymour Bros., two houses 20x125.

North Beverly, Mass.—George W. Glines, one house.

Hinsdale, N. H.—W. J. Estey, forcing house 15x100.

Chelmsford, Mass.—John N. Park & Son, forcing house 40x240.

Poughkeepsie, N. Y.—W. G. Salttord, five violet houses, each 18x140.

Vincennes, Ind.—W. A. Keiman, house 16x66 and one 16x80.

Garrett, O.—Christ. Winterich, range of houses.

White Marsh, Md.—R. Vincent, Jr., & Son, house 25x165.

New York.

MEMORABLE MEETING OF THE FLORISTS' CLUB.—CONFERENCE WITH REGARD TO THE AUGUST HORTICULTURAL EXHIBITION.—MANY PLEDGES OF SUPPORT.—J. P. CLEARY CHOSEN AS MANAGER OF TRADE EXHIBIT FOR THE CONVENTION.—NOMINATION OF OFFICERS.—SOME GOOD EXHIBITS.—CRAIG TALKS.—MEDALS FOR ROSE SOCIETY PREMIUM LIST.—STATE OF THE MARKET.—A SLIGHT CHANGE FOR THE BETTER.

The November meeting of the New York Florists' Club was an occasion of unusual interest from the fact that representatives of the various horticultural and gardeners' societies in this section had been invited to be present to confer regarding the arrangements for the S. A. F. convention of 1900, and also on account of the nomination of officers to serve through the coming year, which will be the most important in the club's history. There were about fifty gentlemen present, including delegates from the New York Gardeners' Society, New Jersey Floricultural Society, Monmouth County Horticultural Society, Morris County Gardeners' and Florists' Club, New York Market Florists' Association, Florists' Board of Trade and Tarrytown Horticultural Society. The matter of the proposed horticultural exhibition in connection with the trade exhibit next August was a fruitful theme and the animated discussion which took place developed a gratifying enthusiasm in its favor. Promises of hearty support and co-operation were given by the representatives of the various fraternal bodies present and a number of individual pledges of financial assistance came from members of the club.

The trustees reported the name of J. P. Cleary for the position of manager of the trade exhibition, and this very wise selection was endorsed by a unanimous vote. They also reported that the main floor of the Grand Central Palace had been secured for exhibition purposes, and the Palm Garden for the audience hall for the convention. Messrs. O'Mara, Siebrecht and Weathered were appointed a committee to prepare appropriate resolutions on the deaths of Mrs. J. H. Taylor, Mrs. John Morris and Wm. H. Brower. H. A. Siebrecht was appointed to represent the club before the Dewey Arch Association.

In the nomination of officers the following names received a large majority of the votes: For president, P. O'Mara; vice-president, A. Herrington; secretary, John Young; treasurer, C. B. Weathered; trustees, two years, Messrs. Plumb, O'Mara and Burns. Election will take place at the December meeting.

On the exhibition table were vases of carnations Ethel Crocker from Robt. Craig & Son, No. 666 from Dailledouze Bros., Eunice and an unnamed seedling from C. Besold. The two former were recommended for certificates and the two latter received honorable mention. No. 666 is undoubtedly the largest carnation up to date, being full four inches in diameter, and created a sensation. Its color is white, suffused and clouded with soft pink. It is now in its fourth year and is said to be a fourth generation descendant of Mme. Albertini.

Robert Craig, who was present, being called upon for a few words, made one of his witty little speeches expressing his apprehension in facing such an audience in the metropolis of the country and quoted liberally from his favorite author, Mr. Dooley. He heartily approved of the scheme to hold a big horticultural exhibition next August, and advised that effort be made to secure exhibits of new and rare things from European houses. Mr. Burns told of his recent visit to Waban Rose Conservatories and his impressions of that splendid establishment and Mr. Manda, who has just returned from the Philadelphia chrysanthemum show, said some very complimentary things regarding the same.

A vote was passed appropriating funds for a gold and a silver medal for the exhibition of the American Rose Society next March, and Mr. May was authorized to see to their proper disposition on the prize list. Much pleasure was expressed at the reappearance in the chair of President Plumb, and everybody was supremely happy with the exception of the non-smokers who were choked and half blind for a couple of days following this memorable meeting owing to the smoke, which at times was "thick enough to cut."

If there is any change in trade conditions it is a change for the better, but it is so slight in the aggregate that it is scarcely worth mentioning. Violets maintain prices quoted last week, not because of horse show or any other special demand, but on account of their scarcity, the receipts being very light. Chrysanthemums are "on the wane." There are plenty of good blooms still in evidence, but the big surplus has disappeared. Cheap quality still goes for cheap price, and first-class goods hold their own. Roses and carnations show the most encouraging improvement. This does not apply so much to American Beauty as to Bride and Bridesmaid, but with the latter there is a very satisfactory advance and the best evidence is that it has been heard out in Madison and there is much commotion resultant.

News of the death of J. J. Blauvelt, of Pearl River, has been received. Mr. Blauvelt died on Sunday, November 12. He was an old-time grower and some years ago his Luizets and other hybrid roses were in great demand.

Greenhouse builders report unprecedented activity and building prospects very gratifying.

DAVENPORT, IA.—Charles Daunacher has sold his business and leased the land to his foreman, Otto Klingbiel. The establishment comprises 40,000 feet of glass and is well stocked.

Chicago.

STATE OF THE MARKET.—BRISK BUSINESS WITH TOO FEW GOOD ROSES.—PRICES STIFFER.—REGRET THAT CHRYSANTHEMUMS WERE NOT STARTED HIGHER.—GREENS ARE GOOD PROPERTY.—FLOWER SHOWS AS AN AID TO MERCHANDISING.—VARIOUS ITEMS OF LOCAL INTEREST.

Trade is moving briskly this week and while quotations have not been advanced, except here and there, prices are stiffer than for some time. There are not too many roses but the quality is not yet quite what it should be and the brisk demand for stock for high social events makes really first-class blooms scarce, so that Meteors are bringing as high as 6 cents and the best Brides and Bridesmaids bring 5 cents. Beauties are also in high favor with the supply less than the demand. Prices in this line are very firm. Carnations are not yet in full crop but the cut is increasing every day and many of the growers are now sending in fine stock. Violets are again scarce, probably due to the warm weather of the past few weeks, and lily of the valley is by no means plentiful. The chrysanthemum cut is probably at its heaviest but the market is able to take about everything which is coming in without a reduction in price. Many wholesalers now express regret at the judgment which prompted the sale of the first of the season's cut at rates considerably less than those of last year, which came from a fear of an overloaded market. It is not contended that the growers are not making money at present quotations but many are now satisfied that the entire production could have been marketed at rates equal to those obtained in previous seasons had the sellers declined to cheapen this commodity at the outset.

Greens are still good property but the supply equals the demand in smilax and asparagus. Of the latter Kennicotts are receiving some particularly good stock. There is a scarcity of adiantum, due, the growers say, to the recent hot weather, which played havoc with the plants, some growers even being compelled to cut off all the fronds and start the plants afresh.

Browning, King & Co. and Chas. A. Stevens & Bro. have had flower shows in their stores this week, which have been visited by many people. Wittbold supplied the Stevens plants, Vaughan and Wittbold jointly contributing to Browning, King & Co.'s display. Many of the plants in each instance bore the blue and pink ribbons of the Horticultural Society of Chicago.

Chas. Handel, who for a number of years has been employed at various establishments about Chicago, has leased the greenhouses of P. G. Pearson at Batavia, Ill., for a term of three years. Mr. Handel will ship to the Chicago market. He also intends to stock up his houses with a general line of bedding plants for the spring trade.

E. H. Hitchcock, of Glenwood, Mich., has been in town this week booking orders for ferns but he found several dealers pretty well stocked up. Another lot of a million is reported to have arrived from the east last week. Nevertheless the retail price is expected to soon go to $2 per thousand.

At Washington Park they have planted an unusual quantity of bulbs and, with a more favorable winter than last, a great show is to be expected in the spring. The azaleas here, of which there are many, carried over plants, are in fine shape.

The South Park Floral Co. is shipping in little else than roses from New Castle, Ind. Their stock is very good and they expect to build several houses during the spring so that they will have more of it next year.

Calvert & Son, of Lake Forest, have lost a house of Brides and Bridesmaids which were just coming into crop. An employe was fumigating with sulphur when the material took fire and did the mischief.

Frank E. Parcell, of Lake Forest, is receiving congratulations upon his marriage on Wednesday, November 15.

Poehlmann Bros., salesroom is a veritable chrysanthemum show these days. They are well satisfied with sales thus far.

Germantown, Pa.

The chrysanthemum show of the Germantown Horticultural Society was not gotten up on the usual large scale, the society deciding to continue the exhibition for but one evening, Monday, November 13. The following are the awards of the committee:

Vase cut chrysanthemums, twelve blooms, first, John F. Sibson; second, Albert Woltemate; third, Frank Smith. The varieties in the collection of Mr. Sibson consisted of Dolores, Mme. Chemonde Leche, Rustique, Mayflower, Modesto, Silver Cloud, W. H. Chadwick, Autumn Glory, Queen, Golden Wedding, E. M. Bigelow and W. C. Egan.

Vase cut chrysanthemums, six blooms, first, Henry Diehl; second John Holmes; third, John McGowan. The principal varieties in this lot were George W. Childs, Cullingfordii and M. N. Nixon.

Vase of cut roses, first, William Wilkie, for American Beauty; second J. W. Young, for Bridesmaid.

Bunch of 100 blooms single violets, first, Henry Diehl.

Three chrysanthemums in 8-inch pots, first, John McGowan. The varieties were Eda Prass, Millbrook and McKinley.

Six chrysanthemums in 6-inch pots, first, John McGowan; second, Henry Diehl.

Michell premium for display of vegetables, first, Patrick McGowan; second Michael Punch.

A special premium was awarded to Frank Smith for a vase of cut chrysanthemums and commendatory mention was made of a group of decorative plants from the greenhouses of Albert Woltemate as well as of some fine Lawrence and Clairgeau pears from John McGowan. JOSEPH MEEHAN.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—Single man with 6 years' experience in greenhouse. State wages paid, etc. BEW, care American Florist.

SITUATION WANTED—By florist and gardener, 17 years' experience; thoroughly competent to take charge of commercial or private place. P. G. PEARSON, Batavia, Ill.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

SITUATION WANTED—By young man as assistant in greenhouses. Experience equivalent to about four years. To begin about Jan. 1st. Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—By florist and gardener; married, no children. Well recommended. Private place preferred. Address XX. care Vaughan's Seed Store, Chicago.

SITUATION WANTED—By a good all-around man, twelve years' experience; could take charge of small place; am good on designs; married, no children. Address FLORIST, 1202 Frye Ave., Peoria, Ill.

SITUATION WANTED—As working foreman or to take charge of section of houses by thorough, experienced cut flower grower and propagator. Beauties, teas, carnations, mums, etc. Best of references. Wages, $40 Address BEAUTY, care Am. Florist.

SITUATION WANTED—By a middle-aged German, single, industrious and strictly sober, as foreman on commercial place; over 20 years' experience in all branches; first-class grower of roses, carnations and chrysanthemums, well experienced in forcing bulbs, etc. Can furnish best references as to ability and character. Address C F, care American Florist.

WANTED—Man accustomed to bedding out, also handy at propagating. L, care Am. Florist.

WANTED—Night fireman for small place, one steam boiler; steady work when firing is done. Address M I, care American Florist.

WANTED—For general greenhouse work, an active and reliable man. State wages. References required. P. O. Box 583, Downers Grove, Ill.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—Reliable single man to take charge of six rose houses. $22 a month, board and room. MORTON GROVE GREENHOUSES, Morton Grove, Ill.

WANT TO LEASE a few greenhouses near Cleveland, lease to date from now or next summer, or would accept management Address BOX, care American Florist.

WANTED—Saleswoman of pleasant address; must be capable and understand house decorating, designs, etc.; good wages. Address ROSE WRIGHT, Spokane, Wash.

WANTED—Wholesale and retail catalogs and price lists of plants, seeds, bulbs, nursery stock, etc. Address CHAS HANDEL, successor to Peter Larson, Opposite West Cemetery, Batavia, Ill.

WANTED AT ONCE—Man who understands growing carnations and general bedding stuff; married man with small family preferred. State wages with house and fuel furnished. MT. STERLING FLORAL CO., Mt. Sterling, Ky.

WANTED—To correspond with a live florist, with a little ready cash, who would like to get possession of the leading florist business in a progressive Indiana town; 8,000 feet glass, paying well. Splendid opening for wholesale grower; cheap coal, good soil, city water, manure handy, four railroads. Address J. A. BALMER, Pullman, Wash.

FOR SALE—7000 ft. glass, well stocked, and 9 room dwelling, all in good order. A bargain; other business. L. M. COTTLE, 722 N. 64th St., Oak Park, Ill.

FOR SALE CHEAP—Second hand greenhouse material—1000 ft. 1-in steel pipe, 200 ft soil pipe, single hub, with fittings; 18 boxes glass, single thick, 10x12; 50 wire designs, for funerals; flower pots, 1700 2s, 1000 2½s, 1000 3s, 275 4s, 200 5s, 50 6s; 62 sash, 3x3. Write for prices. F. W. CUSTER, Pontiac, Ill.

A RARE CHANCE. The proprietor of a well-established place of 15,000 square feet of glass in a town of 60,000, about 60 miles from Philadelphia, desires to retire and will sell his stock, ALL the FIXTURES, and lease the place for a number of years to party who is reliable and who has small capital. This is a profitable retail business, of which further particulars may be had by addressing..... **ROBERT CRAIG & SON,** Market and 49th Sts., PHILADELPHIA.

WANTED

A first-class decorator for cut flower store. Must be a good salesman and design maker. A1 references as to character and ability required. State salary expected. Address

M T, care American Florist, Chicago.

Want Partner who is a florist, with $4000, to buy half interest in an old-established, good-paying business in city of 10,000 and no competition to speak of within 75 to 100 miles in all directions. Partner to take full charge of business on salary, as present owner has other lines of work requiring his whole time and attention. Property consists of two well-stocked greenhouses 20x100 feet, each connected with modern frame building of eight rooms, all heated by steam from boiler under basement of dwelling and located on large, well-ornamented grounds overlooking the city. Place has city water and telephone connection with 100 surrounding towns. In first-class repair. Don't write unless a competent florist of good business ability and possess the cash or equivalent. Address

J. B. HARSH, CRESTON, IA.

Gloucester, Mass.

F. R. Barrington has rebuilt two houses this season and his chrysanthemums are in good shape; so are his carnations, although these are grown in limited numbers. Owing to increasing trade, Mr. Barrington will next year erect a large range of glass. Trade is promising well for the holidays.

S. Curtis & Son report trade good, with stock plentiful and fairly good; prices rule low on account of the abundance of flowers brought on by the warm weather of the past month. TAP.

Wholesale Cut Flowers
705 PENN AVE. 'PHONE 2157.

Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT — Chrysanthemums

CONSIGNMENTS SOLICITED.
Florists' Supplies

G. L. HUSCROFT & CO.,
Wholesale Florists,
444 Sixth Ave., PITTSBURG, PA.
Long Distance Phone 2985. CONSIGNMENTS SOLICITED. We command a good market.

Wholesale Flower Markets

CINCINNATI, Nov. 16.

Roses, Beauty, select	25.00@35.00
" medium	8.00@15.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 5.00
" Perle	3.00
Carnations	1.00@ 1.50
" fancy	2.00
Lily of the Valley	4.00
Violets	.50@ .75
Narcissus	3.00@ 4.00
Chrysanthemums	8.00@15.00
Roman Hyacinths	3.00@ 4.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15

ST. LOUIS, Nov. 16.

Roses, Beauty	8.00@15.00
" fancy	20.00@30.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 5.00
" Perle, Wootton	2.00@ 4.00
Carnations	1.50@ 2.00
Lily of the valley	4.00@ 6.00
Violets	.50@ .75
Narcissus	4.00
Chrysanthemums	5.00@12.50
" fancy	15.00@25.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Nov. 16.

Roses, Beauty, long, per doz.	2.50@ 3.00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4.00@ 5.00
" Perle	3.00@ 4.00
" Meteor	4.00@ 6.00
" Kaiserin	5.00@ 8.00
Carnations	1.00@ 2.00
Chrysanthemums, ordinary	6.00@10.00
" fancy	15.00@25.00
Adiantum	1.00
Common ferns	.25
Smilax	8.00
Asparagus	60.00

PITTSBURG, Nov. 16.

Roses, Beauty	5.00@50.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 4.00
" Kaiserin	2.00@ 6.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations	.75@ 2.00
Lily of the valley	3.00@ 4.00
Violets, double	.50@ 1.00
" California	.30@ .60
Chrysanthemums	3.00@18.00
Narcissus Paper White	2.00@ 4.00
Roman Hyacinths	3.00@ 4.00
Smilax	12.00@15.00
Wild Smilax, per case 3.50@6.00	
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	.35
" strings	.35 to 50c
" Sprengerii, bunches	.35 to 75c

ORCHIDS. VALLEY... FERNS.....

TWO TENDENCIES have recently made their appearance in modern commercial life.

Specialization.

Direct dealing.

By specializing and confinining his energies to one or two lines of products, the producer finds that he can put forth a better article than his competitor.

By direct dealing with the producer, the consumer finds he can get a better article at the price of an inferior one.

THE special products of the Rosebank Nurseries are Orchids, Valley and Ferns.

The Orchids are the best in the market, both in point of variety freshness and beauty of bloom. Cattleyas, 50c.; others, 15c. per bloom.

The Valley, of an especially high grade, is offered on yearly contract at $3 per 100; on single orders, at $3.50.

The Ferns (Adiantum), unequalled in freshness, size and strength of fronds, are sold at the regular price of $1 per 100. ☙ ☙ These special products are sold direct to the retail florist.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

HOLTON & HUNKLE CO.

Wholesale Florists,

457 Milwaukee St., - MILWAUKEE, WIS.

Leather Bound

copies of the new edition of our DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada, arranged both by states and towns and alphabetically. Price, $3.00; in board covers, $2.00. ☙☙☙☙

American Florist Company,
324 Dearborn Street, Chicago.

J. B. DEAMUD,

51 WABASH AVE., CHICAGO.

PRICE LIST:

	Per 100.		Per 100.
AM. BEAUTIES, Ex. long	$35.00 to $50 00	SMILAX	$12 50 to $15.00
" 24-inch	25.00 to 30 00	ADIANTUM	.75 to 1.00
" 20 "	18.00 to 20.00	ASPARAGUS	50.00 "
" 15 "	12.50 to 15.00	FANCY FERNS $2.00 per M.	.20
" short	8 00 to 10.00	IVY LEAVES	.50
BRIDES, MAIDS	3 00 to 5.00	GALAX $1.25 per M.	.15
METEORS, KAISERINS	4.00 to 6.00	WILD SMILAX. We keep on hand a supply in 3 sized cases, which we offer:	
PERLES	2.50 to 4.00	No. 1, large	$6.00 per case
CARNATIONS	1.00 to 1 50	No. 2, medium	5.00 "
" fancy	3.00 to 5.00	No. 3, small	4.00 "
VALLEY	4.00 to 5.00	☞ Prices subject to change without notice.	
VIOLETS, double	1.25 to 2.00	P. AND D. AT COST.	
" single	.75 to 1.00		

CHRYSANTHEMUMS, $4.00 to $25.00 per 100.

J. B. DEAMUD, 51 Wabash Ave.,
Successor to Illinois Cut Flower Co. CHICAGO.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS.

FULL LINE OF ALL Florists' Supplies

HOLLY and GREEN. We can meet the quotations of any reputable Western House.

REINBERG BROS.

...WHOLESALE...

Growers of Cut Flowers

800,000 FEET OF GLASS.

We can fill orders on short notice with all leading varieties of ROSES and CARNATIONS.

We ARE Headquarters for fine AMERICAN BEAUTIES.

SALESROOM, 51 Wabash Ave., CHICAGO.

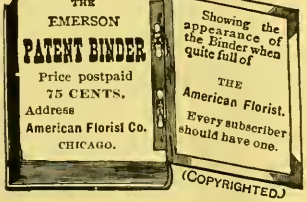
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Cincinnati.. Cut Flower Co.,

W. A. MANN. FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.



Wholesale Flower Markets

CHICAGO, Nov. 17.

Roses, Beauty, extra long stems		3.00@4.00
" " 24 inch	"	2.50
" " 20 "	"	2.00
" " 15 "	"	1.50
" " 12 "	"	1.00
" " 8 "	"	.75
" Bride		4.00@ 6 00
" Bridesmaid		4 00@ 6.00
" Perle		3.00@ 4.00
" Meteor		4.00@ 6.00
" Kaiserin		4 00@ 6 00
" La France		5 00@ 6.00
" Golden Gate		6 00@ 8.00
Carnations		1.50
" fancy		2.00@ 3.00
Violets, double		1.00@ 2.00
" single		.35@ 1.00
Lily of the Valley		3.00@ 4 00
Cattleyas	per doz.	3 00@6.00
Dendroblums	"	3.00
Chrysanthemums, medium		2.00@ 6.00
" long		10.00@25 00
Mignonette		1.00@ 2.00
Narcissus		3 00@ 4 00
Adiantum		.50@ 1.00
Common ferns		.15
Fancy Ferns		.20
Smilax		10 00@15.00
Asparagus		35.00@50.00

KUHL, PEKIN, ILL.

now ready to fill orders for

ROSES, CARNATIONS, 'MUMS, SMILAX, FERNS AND ASPARAGUS.

Write him. Get orders IN EARLY for THANKSGIVING.

E. H. Hunt

THE "OLO RELIABLE" FOR

WHOLESALE CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

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GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST CHICAGO

Tell your wants in the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

COMMENCING OCTOBER 16th, WILL BE OPEN FROM 12:01 A. M. MONDAYS TO 10:00 P. M. SATURDAYS.

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Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

Consignments from reguler growers assigned separate apace in our market. We guarantee payment for all flowers sold. Salee reported weekly. Payments monthly, or oftener if required.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

GALAX LEAVES

AND LEUCOTHOE SPRAYS.

To Dealers Outside of N. Y. State:

Choice Galax.....$0.40 per M
Choice Leucothoe.....2.00 "

Special prices to wholesale dealers. J. N. PRITCHARD, Elk Park, N. C.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Nov. 15.

Roses, Tea	2.00@ 3.00
" " extra	4.00@ 8.00
" Beauty, extra	30.00@40.00
" " firsts	10.00@15.00
" " seconds	6.00@10.00
Carnations	.75@ 1.50
" fancy	1.00@ 2.00
Lily of the valley	3.00@ 5.00
Asparagus	.35 00@50.00
Smilax	15.00@20.00
Adiantum	1.00

BOSTON, Nov. 15.

Roses, Beauty, select	10.00@35.00
" " ordinary	3 00@ 5 00
" Bride, Bridesmaid, Meteor	1.00@ 4 00
" Kaiserin	2 00@ 4 00
Carnations, ordinary	.75@ 1.00
" fancy	1 50@ 2.00
Lily of the valley	2.00@ 4.00
Violets, single and double	.75@ 1.00
Chrysanthemums	2.00@ 8 00
" special	8.00@12.00
Cosmos	.50
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

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1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

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Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

: Successors to WM. C. SMITH,

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1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME GROWN STOCK.

G. T. BARROW & CO.,

RED LEVEL, ALA.

Shippers of

Southern Wild Smilax, $2.00 per 50 lb. case.

LONG NEEDLE PINE, HOLLY AND FERNS.

BOSTON FLORISTS' EXCHANGE....

HEADQUARTERS for choice Roses, Violets, Carnations and Chrysanthemums.

Consignments Solicited.....

22 Chapman Place, BOSTON, MASS.

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TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

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...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. rice list on application. 57 W. 28th St., NEW YORK CITY.

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Wholesale Florist,
New Telephone No. 1803 Madison Square.
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WALTER F. SHERIDAN,
WHOLESALE FLORIST
New Telephone No. 902 Madison Sq. 39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will he to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
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WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
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Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Nov. 15.

Roses, Beauty select	10.00@25.00
" ordinary	2.00@ 8.00
" Bridesmaid, Bride, Morgan	.50@ 4.00
" Kaiserin, Meteor	1.00@ 4.00
Carnations	50@ 1.00
" fancy	1.00@ 2.00
Lily of the valley	2.00@ 3.00
Violets	.75@ 1.00
Chrysanthemums	.50@ 6.00
" fancy	12.00@25.00
Cattleyas	20.00@30.00
Smilax	5.00@ 8.00
Asparagus	25.00@35.00
Sprengerii, per doz. bunches	1@1.50
Adiantum	.50@ .75

BUFFALO, Nov. 16.

Roses, Beauty	3.00@35.00
" Bride, Bridesmaid, Meteor	1.00@ 6.00
" Perle, Niphetos	1.00@ 4.00
" Kaiserin	1.00@ 6.00
Carnations, ordinary	.75@ 1.50
" fancies	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1.00
Chrysanthemums	3.00@15.00
Narcissus Paper white	2.00@ 3.00
Harrisii	20.00@25.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	40.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

GREEN GALAX, NEW CROP NOW READY
FINEST BRONZE FROM COLD STORAGE
FOR PRICES ADDRESS THE INTRODUCER,
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower. Ashtabula, Ohio.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply CHRYSANTHEMUMS in best quality and any quantity. VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

NOW 'MUM'S
THE WORD.
ALL SIZES, COLORS, PRICES.
PACKED CAREFULLY.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

LESTER L. MORSE is due in Chicago November 18.

EUGENE SCHAETTEL passed through Chicago November 15 on his way to the Pacific coast.

THE steamship Patria, wrecked in the English Channel, had on board for Hamburg 150 cases of Lilium longiflorum bulbs.

IT is reported that W. J. Forsgate, of San Jose, Cal., will embark in the seed growing industry and that he has planted 10,000 sacks of onions.

THE petition in bankruptcy filed by A. H. Goodwin, we are advised, relates to the old failure of the Northrup, Braslan & Goodwin Co., and has no connection with the present corporation of Goodwin-Harries Co.

The Leonard Loss.

A coroner's jury has made the cause of the death of four persons in the New England Mills, near S. F. Leonard's seed warehouse, Chicago, the subject of an investigation, and in the *Chicago Journal* of November 15 is reported as follows:

"From the evidence which has been taken, Franklin S. Hanson, Joseph Docter, Henry Hilton and Charles Hilton came to their deaths by shocks, injuries and burns received, caused by fire and explosion in the New England Mills, in the building known as 145 West Lake street, on November 1, 1899. And from the evidence presented the jury is unable to determine the cause of said fire and explosion."

In this connection Mr. Leonard wishes to call attention to evidence which showed that it was the northwest corner of his warehouse, that portion nearest the mill, which fell first. He states that the insurance matters are now in good shape. In regard to his loss Mr. Leonard has this to say: "A large proportion of the crop of onion sets, peas, beans and other seeds was already in the warehouse and wrecking operations indicate that they will be a total loss. Just what part of the crop had been received it is impossible to say, no records having been recovered, until the shippers and transportation companies are heard from. We hope, with some delay, to be able to make shipments on orders, although there is no hope of filling all orders in full; in fact, had there been no fire it would have been impossible to make deliveries in full on account of shortage of crop, and we, in common with other houses, some time since notified our customers to that effect."

Boston.

STORY OF A QUIET WEEK AT THE HUB.—COLD WEATHER PRODUCES LITTLE EFFECT.—COMLEY WINS WITH FINE BLOOMS.—GOOD SEEDLING CARNATIONS.—PRODIGALS RETURN.—NOW IT'S TIME FOR DINNER.—VARIOUS JOTTINGS OF INTEREST.

A sharp cold wave with flurries of snow struck us on Sunday and unsettled weather has prevailed since, but there is still an abundance of flowers in sight, notwithstanding. The only noticeable trade improvement is in the line of white chrysanthemums, which seem to be in better demand and reduced supply. Of carnations there is still an unweildy overstock. Otherwise local conditions remain practically as reported last week.

Norris F. Comley won out on the fourth day of the chrysanthemum show with the best average in the competition for large vases of long-stemmed flowers and thus secured the first prize in that class. Among the exhibits overlooked in last week's report was a vase of Klondyke cosmos for which E. F. Wilson received honorable mention. It is a gem. Lager & Hurrell showed two handsome seedling cattleyas, the first to bloom of a promising brood of their own raising.

P. Welch and F. R. Mathison returned on Saturday night in good order from their Washington—Philadelphia—New York pilgrimage. How they managed to escape from New York with so potent an attraction as the horse show about to open is a mystery to their friends. They report having had a good time, seen many interesting things and met hospitable brethren by the score.

Now that the chrysanthemum show is over we may confidently look for a prompt settlement of several dinner wagers for which the recent Columbia-Shamrock contest is responsible and for which the appetites of the bettors' friends have now had sufficient training.

N. F. McCarthy got good prices for palms and similar stock at the Studer fall sale.

Mrs. Thos. W. Lawson shows up in grand style now in the big window of Thos. F. Galvin's establishment.

It is a pleasure to be able to report that Mrs. Jackson Dawson is recovering rapidly from her severe illness.

Chas. Anderson's place at Sharon was visited by fire last week for the second time and much valuable stock destroyed.

Warren Ewell retains his faith in the bulb forcing business and is making preparations for a big demand.

Indianapolis.

VARIOUS NOTES FROM THE HOOSIER METROPOLIS.—VISITORS TO CHICAGO ARE ENTHUSIASTIC.—BERTERMANN'S FINE WORK.—MEETING OF THE CLUB AND EXHIBITION.—PRIZES AWARDED.

W. H. Rieman, John Hartje and A. Wiegand are back from Chicago, full of praise of the hospitable Chicago florists and full of admiration for their great accomplishments. They arrived some time on Thursday from the city of gigantic dimensions and spent the rest of the week trying to adjust their eyes sufficiently to small objects to find their own places.

A reception given this week by H. H. Hanna gave the Bertermann Floral Co. an opportunity to make one of the finest and probably the costliest decoration ever seen in this city.

At the last meeting of the Society of Indiana Florists it was decided to arrange for a chrysanthemum show for next year. The details will be completed at the January meeting of the association. After the meeting adjourned the florists accepted an invitation of the Bertermann Floral Co. to visit their store, at which an opening had been held the same day. The decorations in the store were something in which neither work nor expense had been spared. As one stood among the flowers, from the midst of which a music box poured forth its pretty melodies, one felt as if he were in fairyland.

In connection with the society meeting was a chrysanthemum exhibition. The quality of the flowers was so uniformly good that it proved hard work for the judges to award the prizes. E. G. Hill & Co., Stuart & Haugh, Bertermann Floral Co. and H. W. Rieman deserve the thanks of the association for fine displays not entered for competition. First prizes were awarded as follows: Six market plants, John Heidenreich; six single stemmed plants, Henry Rieman; six white blooms, John Hartje, for Mrs. Robinson; six yellow, Philip Conway & Co., for Bonnaffon; six pink, H. Rieman, for Helen Bloodgood; six red, H. Rieman six in variety, Bertermann Floral Co.

E. G. Hill & Co. received a certificate of merit for their new carnation, Ethel Crocker, and honorable mention for America and Indiana. Stuart & Haugh received honorable mention for their general display, and H. W. Rieman and Bertermann Floral Co. for chrysanthemum display.

In my last letter I should have written that 20,000 feet of glass had been built in Indianapolis last year. H. JUNGE.

Arriving

Lily of the Valley PIPS.

Early and Late Forcing.

Spiraea.

Forcing Gladiolus.

PRICE LIST ON APPLICATION.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

ROCKY MOUNTAIN TREE AND FLOWER SEEDS.

We have the true Aquilegia cœrulea.

New wholesale price list of

Florists' Supplies

now ready. ∴ Western Florists will save money by buying in Denver.

Colorado Seed Store,

BARTELDES & CO., DENVER, COLO.

SURPLUS STOCK.

WHITE ROMAN HYACINTHS, 11-12 ctm., per 100, $1.25; per 1000, $11.00.

ITALIAN, shaded white, 12-16 ctm., per 100, $1.75; per 1000, $16.00.

PAPER WHITE NARCISSUS GRANDIFLORA, A1, per 100, $1; per 1000, $7. Cash with order.

HULSEBOSCH BROS., Englewood, N. J.

GRAND NEW LARGE-FLOWERED

Lily of the Valley

"FORTIN VARIETY."

Price and particulars on application.

H. A. BUNYARD,

42 West 28th Street, NEW YORK CITY.

LAKEVIEW ROSE GARDENS, WHOLESALE GROWERS OF CUT FLOWERS.

AMERICAN BEAUTIES, Per doz.

extra long stems	$3.00
24 to 30 in.	2.50
20 in.	2.00
15 in.	1.50
12 in.	1.00
8 in.	.50

BRIDES, MAIDS, METEORS, $3.00 to $5.00 per 100; PERLES, $2.00 to $4.00 per 100; GOLDEN GATE, ADMIRAL DEWEY, MME. CHATENAY, $4.00 to $6.00 per 100. CARNATIONS, $1.50 to $3.00; 'MUMS, $6.00 to $15.00 per 100. ☞ Prices subject to change without notice. We can fill all orders on short notice.

.....Jamestown, N. Y.

WE ARE STRICTLY IN IT FOR HIGH GRADE BLOOMS, HAVING WON SEVEN FIRSTS AND ONE SECOND PRIZE OUT OF EIGHT ENTRIES AT THE CHICAGO FLOWER SHOW.

Chicago Carnation Company, Joliet, Ill.

HERR'S PANSIES

The best is what you want: common Pansies are dear at any price. The "best florists" in the country are my customers; they will tell you there are no other Pansies quite so good as mine. Try them and you will say the same when they come into bloom.

PLANTS NOW AND UNTIL MARCH.

Free by mail, 75c per 100; 250 for $1.50; 500 for $2.50. By express, $4.00 per 1000.

ALBERT M. HERR,

LANCASTER, PA.

Please mention the American Florist when writing.

PANSIES

Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000. Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Pansies.

PLANTS. **..PANSIES..** SEEDS.

....THE JENNINGS STRAIN....

Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100 by express, $4.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.

☞ CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

Please mention the American Florist when writing.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Record of Some of Our Growers at the Chicago Flower Show

...ROSES...

SOUTH PARK FLORAL CO., NEW CASTLE, IND.

Beauties.....1st for best 6 blooms
Brides.....1st for best 12 blooms
Maids.....1st for best 12 blooms

CARNATIONS.

MRS. E. T. GRAVES, RICHMOND, IND.

Evelina.....1st for best 50 blooms
Victor.....1st for best 50 blooms

CARNATIONS.

STUART & HAUGH, ANDERSON, IND.

Daybreak.....1st for best 50 blooms
Armazindy.....1st for best 50 blooms

CHRYSANTHEMUMS.

G. TEILMANN, MARION, IND.

Major Bonnaffon...1st for best 25 blooms
Best Yellow, any variety } 1st for best 25 blooms
Viviand-Morel.....1st for best 25 blooms

We are Sole Chicago Agent for E. G. HILL & CO.'S (Richmond, Ind.) FINE FLOWERS.

WHOLESALE CUT FLOWERS, W. S. HEFFRON, MGR.

E. C. AMLING,

51 Wabash Ave., CHICAGO.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY		**METEOR**	per 100 $4.00 to $6.00
30-36 in. stem	per doz. $3.50 to $4.00	**BRIDESMAID**	" 4.00 to 5.00
24 "	" 2.50 to 3.00	**BRIDE**	" 4.00 to 5.00
20 "	" 2.50	**PERLE**	" 3.00 to 4.00
15 "	" 2.00	**CARNATIONS**	" 1.50 to 2.50
12 "	" 1.50		
8 "	" 1.00		

Quotations subject to change without notice. All other stock at lowest market prices.

CHRYSANTHEMUMS.

Stock Plants from Bench and from 5 and 6-inch pots.

NOVELTIES OF 1899.
Per doz. $3; per 100, $20.
Mrs. Trainor L. Park.
Adele.
John K. Shaw.
Kuno.
White Flyer.
Zeno. Mlle. Lucie Faure.

CHOICE VARIETIES.
Per doz. $2; per 100, $15.
Wm. H. Chadwick.
Yellow Mrs. Jerome Jones
Mrs. C. H. Pierce.
Autumn Glory.
Thorndon.
Robt. G. Carey.

STANDARD VARIETIES.
Per dozen, $1.50; per 100, $10.

Mrs. S. T. Murdock.	E. M. Bigelow.
Frank Hardy.	Yanoma.
Western King.	Major Bonnaffon.
Liberty.	Mrs. O. P. Bassett.
Mrs. H. Robinson.	Mme. F. Bergmann.
Miss Agnes L. Dalskov.	Ivory.
Marion Henderson.	Evangeline.
Pennsylvania.	Mayflower.
Mrs. Perrin.	Viviand Morel.
Mrs. Jerome Jones.	Joanna. Geo. W. hilds.

We are still Headquarters for BOSTON FERN.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

AMERICAN BEAUTY

Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE southern California orange crop is estimated at 14,289 cars.

STARK BROS., Louisiana, Mo., are the parties who have leased 350 acres of land near Huntsville, Ala., for nursery purposes.

J. T. THOMPSON, originator of the Columbia raspberry, says that in the five years since that variety was introduced he has sold 458,000 plants.

THE Johnson Orchard and Nursery Co., Dallas, Tex., has been incorporated with a capital of $10,000 by J. B. Adams, J. D. Estes, E. B. Bedford and others.

A GOVERNMENT official, on the ground of forest preservation, stopped the agent of David Hill, Dundee, Ill., who was collecting evergreen cones in the Black Hills, but afterward allowed the collection.

New Departures in Nursery Catalogues.

I think it is fair to say that the matter and make up of the nursery and seed catalogues of a period is a fairly correct criterion of the progress and character of the horticulture of the day. A few years ago catalogues ran largely to colors and chromos; a realistic rendering of the subject illustrated was a matter of minor importance. The main object was to catch the eye and excite the imagination by gorgeous pictures and glowing (mis)representations. A sensible reform has been working quietly of late. We owe much of this reform to the influence of the camera fiend and the engraver's art. The widely extended use of the camera by experiment stations and the excellent illustrations now obtained by the use of "half tones" has exercised a beneficial influence upon the nursery and seed catalogues.

I must, however, hasten to remark that the camera in the hands of an expert manipulator may be made to falsify as obligingly and more plausibly than the most ingenious and gorgeous lithograph. The latter carries in a measure its own condemnation while the illustrations furnished by the camera, on the other hand, usually travel under the mantle of honesty and truth. As a rule, I believe that photographic illustrations are fairly accurate and are great improvements over the old-time lithograph.

But there are other signs which mark the movement of horticultural progress. It is only a few years since Luther Burbank, of Santa Rosa, California, issued his first catalogue entitled "New Creations." This publication marked an important era in the work of plant breeding in America. It received a great impulse under the inspiring showing made by the persevering efforts of one man, covering a comparatively brief period. Each year Mr. Burbank has added to his laurels by giving a list of new creations with the pedigree given in each case. Hundreds have been impelled to take up the work owing to the encouragement given in the results achieved by this master hand.

With this year comes another departure, another innovation, this time from the east. It is in the form of a neat pamphlet-catalogue entitled "Orchard Improvement," issued by the Rogers Nurseries, managed by Isaac C. Rogers, Dansville, N. Y. This company claims to have "bred" a large part of their stock of each variety from selected and improved strains. The writer of the catalogue truly says: "No systematic attempt has before been made in the improvement of of varieties by bud selection." This, then, is the means they have taken to improve the variety. Wherever a specially good tree of a Jonathan, Spy or Fameuse, for instance, was discovered, scions of this particular tree were secured and used for propagating purposes, grafting or budding. While this undoubtedly is an important type of plant breeding by selection, it seems like stretching the point somewhat to call the selected type a "pedigreed" plant. A pedigree purports to give the lineage or genealogy of the plant or animal; it assumes, in other words, a known parentage through sexual intervention. In the case of selected buds, while there may be improvement there is obviously no pedigree, because the bud is just the same as the tree from which it came.

These remarks are not intended to decry the value of such work, but are thrown out with the object of pointing out an inaccuracy in the use of terms. I sincerely hope that this work of the Rogers Nursery is but the beginning of systematic endeavor in this line. Let nurserymen search faithfully for the best types of each variety and exercise as much care in selecting scions as the breeder of animals does in selecting individuals when building up strains of milk or beef producing animals. JOHN CRAIG.

Ames, Ia.

BROOKLYN, N. Y.—John Condon has a chrysanthemum show on at his greenhouses on Fort Hamilton avenue. He has 5,000 square feet of show room and is displaying a large number of novelties.

DEFIANCE, O.—Christ Winterich, who has made a considerable success in business here has determined to erect a range of glass and start a branch establishment at Garrett.

ZENIA, O.—George Engle has a good trade in bedding stock, being located at the entrance to the cemetery, and is preparing for the best spring season he has ever enjoyed.

PROVIDENCE, R. I.—J. T. Johnson lost several fine plants and $10 in cash through cashing a bogus check. The swindler escaped, which is more than the fellow did who tried the old palm game on David McCoid.

TREE & SHRUB SEEDS

I have an extra fine lot of the following seeds, good fresh crop 1899, by mail, prepaid: per lb.
Calycanthus Floridus, Sweet Shrub.....40c
Cornus Florida, White Flowering Dogwood...20c
Halesia Tetraptera, Snow Drop.....75c
Magnolia Acuminata.....75c
" Macrophylla.....75c
" Tripetala.....75c
Also Exochorda, Sugar Maple and other seeds and seedlings. Send for list.
J. H. H. BOYD, - - Gage, Sequatchie Co., Tenn.

PLUMS, Two Years.
5 to 6 feet, ¾ up.....$80.00
5 to 6 feet, ⅝ to ¾.....70.00
Abundance, Burbank, Jefferson, Lombard, Niagara.
APPLE SEEDLINGS (Home Grown.)
2-16 to 3-16.....$3.00
APPLE GRAFTS.
No. 1. Straight Root.....3.00
No. 1. Whole Root Branched.....5.00
Our grafts are put up by workmen of long experience and will be packed in moss within frost-proof cases. We will quote special prices on Apples, Peaches, Pears, Asparagus and all small fruit plants, fruit tree stocks and seeds and guarantee our prices as low as the grade of stock can can be purchased.
BOXING AND BALING FREE.—This fact should be considered in comparing our prices with those who charge for boxing. TERMS CASH.
CORRESPONDENCE SOLICITED.
Address and make all orders payable to
THE CASSEL NURSERY CO., - North Claylon, Ohio.

For Parks, Cemeteries or Private Grounds
we can furnish a very large and superior stock of
FOREST, ORNAMENTAL and EVERGREEN TREES, SHRUBS, Etc.
Trees from one inch to three inches in diameter, all nursery grown and in fine shape. Our shrubbery is YOUNG, THRIFTY and FINE.
Remember we are Headquarters for Nursery Stock in the East.
Over 200 Acres in Trees and Shrubbery. All thrifty, clean and A No. 1 stock.
SATISFACTION GUARANTEED. ADDRESS...
STEPHEN HOYT'S SONS, New Canaan, Conn.

DEUTZIA GRACILIS,
Strong, bushy plants for forcing, $6.00 per 100.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Send for price list of Hardy Shrubs and Trees.

HOME OF CHOICE TREES and Hardy Plants.
SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias Blue Spruce.
NEW INTRODUCTIONS OF HARDY PERENNIALS.
NEWPORT NURSERIES, Newport, R. I.
Frank Brunlon, Mgr. ☞Catalogue free.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Viburnum Tomentosum
A RARE AND BEAUTIFUL SHRUB.
HERBACEOUS PERENNIALS A SPECIALTY
Price list and descriptive catalogue on application.
REA BROTHERS, Norwood, Mass.

NURSERYMEN....
IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.



THE GRAND NEW ROSE LIBERTY.

Announcement:

Owing to the phenomenal sale of Liberty Rose, I can take no more orders for March delivery. My stock for March delivery being all sold, I can only take orders for delivery in April or later. All orders will be filled strictly in rotation. First come first served.

Most nearly approached by Meteor in color, but far surpassing that standard variety in brilliancy and purity of color, as well as in size and freedom of bloom, never showing any deformed, black or bull heads, either in winter or summer. A remarkable keeper when cut, keeping its brilliancy of color without turning blue or dropping its petals, as is the case with Gen. Jacqueminot, which it somewhat resembles in size and fragrance.

To be sure of getting the best crimson forcing rose of the century and A1 stock, send your orders at once to the undersigned or his agents mentioned below.

PRICES ARE AS FOLLOWS:

Own Rooted Stock in 2½-in. Pots.		Grafted Plants in 2½-in. Pots.	
12 plants	$0.60 each	12 plants	$0.75 each
25 "	.50 "	25 "	.60 "
50 "	.30 "	50 "	.50 "
100 "	.25 "	100 "	.40 "
1000 "	.20 "	1000 "	.35 "

I HEREBY EXTEND A CORDIAL INVITATION TO ALL LOVERS OF THE QUEEN OF FLOWERS TO COME AND SEE LIBERTY GROWING.

Satisfactory reference or deposit from all unknown correspondents.

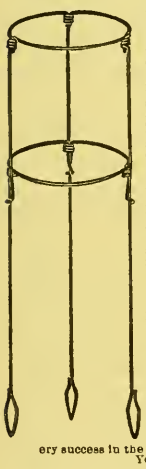
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VAUGHAN'S SEED STORE, Chicago, Ill.

J. N. MAY, Summit, N. J.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.,
Dear Sir:—Your Model Carnation Support is all right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y.
Feb. 18, '97.
MR. THERON PARKER,
Dear Sir,—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support.
Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J.,
Feb 18, '97.
MR. THERON PARKER,
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing very success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes

AT LOWEST PRICES.

Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

CARNATIONS. Orders booked now for 1900 delivery.

G. H. CRANE. The most satisfactory scarlet ever placed on the market. One of our best productions. Early and very free. Destined to be the favorite

WHITE CLOUD. Conceded to be far ahead of any white Carnation grown to-day.

MRS. GEO. M. BRADT. A universal favorite. It will be the leader in its class for many years to come.

MACEO and GOMEZ. Two crimson varieties of special merit.

We have large stocks of the above varieties growing especially for our cutting trade, which insures good, strong cuttings.

WE HAVE ALL THE LEADING STANDARD VARIETIES....

Some 1900 Novelties at originators' prices.

CHICAGO and MRS. THOS. W. LAWSON.
ETHEL CROCKER, THE MARQUIS, OLYMPIA.

Send for Price List.

F. DORNER & SONS CO., La Fayette, Ind.

Please mention the American Florist when writing.

1800 DAYBREAK, 300 METEORS

is what I have left in **Field-Grown Carnation Plants** and are extra fine; $4.00 per 100 or $30.00 per 1000.

W. A. WETTLIN, Hornellsville, N. Y.

Please mention the American Florist when writing.

THRIFTY FIELD CARNATIONS

with plenty of roots. Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

Please mention the American Florist when writing.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Chicago.

There was no bowling on Chicago alleys last Friday night but for Friday evening, November 17, a team of florists, Asmus, Hersen, Degnan, Winterson and A. Coulson, formerly of Buffalo, had a game on with the West Madisons, champions of the West Side League, whom the florists have once defeated

At New York.

At the regular meeting for practice on Monday, November 13, scores were made as follows:

Player.	1st	2d	3d	4th	Av.
Burns	156	132	160		149
Thielman	156	131	123	179	147
T. Lang		176	104		140
Strumpp	115	177	117		136
Traendly	106	134	159	121	130
Roehrs	149	125	122	116	128
Marshall	105	166	113		128
Manda		100	116	163	126
Troy			125		125
Atkins	152	119	120	101	123
Siebrecht	107	134	120	127	122
Donlan			102	138	120
Schultheis		113	144	97	118
Von Asch				117	117
Bunyard				116	116
Stewart				112	112
Butterfield		94	107	121	107

A New Record on Philadelphia Alleys.

A new record for the best two games on the Philadelphia alleys was made by Hamilton November 14, when 238 and 210 were scored to his credit in two consecutive games. His next game was 176, which made the record for the best three, and his next, 173, was the top notch for four games, so that altogether three records were made that afternoon.

Hamilton is not only our record breaker but also holds the highest average in the club, and all handicaps in the monthly tournament are figured from his score. What Seybold is to Baltimore, Hamilton is to Philadelphia. I hope these two gladiators will meet the next time we sing "Maryland, my Maryland" in Philadelphia. It must be somewhat lonesome to be so good!

There are thirty-five entries in the November handicap contest at this writing, but a few of them have not started, and it is to be feared several more will not finish, but notwithstanding all that, it can be said that our first handicap tournament is a success. It's the liveliest month in our history and one can scarcely go near the rooms without hearing the rattle and roll and crash of the pins. Many of our old war horses of days gone by, Wm. Graham, Jno. Burton, Wm. K. Harris, Edwin Lousdale, Robert Craig, August Lutz, George Campbell and others are in it and as eager and enthusiastic as any of the youngsters, such as John Westcott and "Bill" Baker. There is some talk of a smoker Saturday evening, December 2, to give the boys a chance to congratulate the winners, as the contest will end on Thursday, November 30. If this is finally decided on due notice will be given.

G. C. W.

At Denver.

The Colorado bowlers are progressing finely in their practice, the attendance being large each week. Following is the score of November 7:

Player	1st	2d	3d	Av
John Berry	154	172	178	168
J. N. Jacobson	161	134	197	164
Geo Brenkert	188	130	164	161
Chas. J. Thiess	180	152	147	160
Robt. Kurth	123	196	151	157
Chas. Mauff	178	139	159	156
A. E. Mauff		179	121	150
John Ferris	133	169	138	147
Ed. Emerick	142	139	154	145
Chas. Webb	156	139	133	143
Chas. Franz	122	146	143	137
Ernest Flohr	102	110	193	135
Donald Scott	141	119		130
A. M. Lewis	140	122	121	128
N. A. Benson	99	151	132	127
Geo. Zimmer	114	144	116	125
W. A. Doyle	146	99	119	121
Oliver Wheatley	101	158	75	112

At Philadelphia.

The past week has been a busy one on the club alleys. There were a number from out of town who indulged in a game or two, which, together with the regular games for the handicap tournament, kept the pin boys busy. Wm. Scott, of Buffalo, rolled a game with Robt. Craig, allowing Mr. Craig fifteen pins and winning the game handily. Several of the Pittsburg boys also tried their hands and several of the New York delegation. Hamilton, who is scratch man in the tournament, put up 203, and then went this effort thirty better, making 233, which proved high for the week. Many of the boys who are banking on their large handicap to win out will have to get a move on if they hope to carry off a prize. The committee has decided that if necessary a man can roll three games in the afternoon, as well as three in the evening; one game only can be bowled if the member so desires, but not more than three at any one time. Much interest is being taken, as a dark horse may yet be trotted out.

K.

Pastimes at Baltimore.

Upon the evening of the first day of the Baltimore chrysanthemum show the Marylanders provided entertainment for the several visitors, the opening event being a match on the alleys with five Philadelphia gentlemen who succumbed gracefully for two successive games.

After bowling the party adjourned to supper and at the conclusion of the repast President Flitton started the ball of speechmaking by welcoming the guests and installing Wm. B. Sands as toastmaster. Mr. Sands in a few well chosen remarks introduced "Buffalo Bill." Great Scott! Mr. Scott alluded to the members and the show in very flattering terms and invited everybody to visit the carnation show at Buffalo next February. The next speaker was Wm. Craig, president of the American Carnation Society, and he imparted no small degree of his enthusiastic admiration for the carnation. John Westcott, after humorous allusion to the bowling match, invited the winning team to compete at New York in 1900. Jno. Burton claimed to be no speechmaker but eulogized the game of bowling and sports of all kinds. Mr. Kift said a number of very nice things about us and G. C. Watson advised us that fruits and vegetables should be a feature of our shows. Mr. Cox, Mr. Ashland and Mr. Dryer each spoke briefly and a number of our members had something to say for the good or jollity of the order.

Following is the score of the bowling contest:

PHILADELPHIA. Player	1st	2d	BALTIMORE. Player	1st	2d
Westcott	154	137	Richmond	151	148
Kift	165	157	Lehr	148	113
Watson	94	121	Binder	129	124
Cox	117	102	Holliday	177	121
Burton	114	117	Seybold	130	192
Total	644	634	Total	745	698

MACK.

Baltimore Hospitality.

In response to an invitation from the Baltimore Gardeners' Club, six Philadelphians journeyed to the Monumental City last Monday morning to see their chrysanthemum show and decide to whom the various premiums should be given. The exhibition contained much that was of interest. The large circle of carpet bedding in the center of the hall was admirably executed and reflected great credit on Mr. Seybold, who planned and planted it. There were also many fine blooms of chrysanthemums and the judges were much puzzled at times to pick out the winners. Before they commenced work they were placed before a good dinner and after the judging was finished two games of ten pins were rolled to pass away the early hours of the evening, before the annual dinner of the club.

In the ten pin games the Philadelphia boys were out-played. They had apparently been so upset by the difficult problems they had had to solve in the exhibition hall that they could not bring their minds down to ten pins all at once and were beaten before they could quiet their nerves. Baltimore has good bowling material and should enter a team in the national tournament in New York next summer.

The banquet was a very enjoyable affair. The genial president, Mr. Flitton, made the boys feel quite at home and Toastmaster Sands is a past-master at the art. At the close of the feast, the boys all went out to look for meteors. Next morning as the party came down from breakfast they were given a greeting by a committee and taken for a tally-ho ride through the principal residence districts and out to Druid Hill Park. After a view of the conservatory the journey was continued to the Halliday nurseries. Here everything was found in "apple pie" order, and Foreman Richmond is to be congratulated on the general excellence of the stock under his charge. Carnations are the specialty here; they were all doing remarkably well, and as Brother Scott, of Buffalo, who was one of the party, remarked, the Daybreaks were the finest he had seen this season and he questioned if they were grown any better any where. A fine light red sport from Tidal Wave looked very well; it is called Matt. Richmond. The "hairpin" stake, a crossed wire arch, is used here and, while very simple, seemed very effective. An adjournment was taken to the mansion and here the party was welcomed by Mrs. Thomas, whose kindly face it was a pleasure to see. An elegant lunch was partaken of, the Halliday brothers being untiring in their efforts to see that nothing was left undone that could in any way add to the comfort of their guests. As the good-byes were being said, the group was arranged in front of the house and Miss Thomas took the picture.

The coach soon brought us to the show hall and, after another look at the exhibits, we were homeward bound. There was not a moment during our stay that

we were lost sight of by the Baltimore brethren, who simply outdid themselves in their hospitable treatment of their guests. Long live the Baltimore Gardeners' and Florists' Club. K.

Philadelphia.

CHRYSANTHEMUMS RULE THE MARKET.—BEAUTIES BY THE FOOT.—LIBERTY SELLS WELL AS CUT FLOWER.—TRADE RATHER QUIET.—HEACOCK PLANNING BETTER THINGS.—OBSERVATIONS ANENT THE RECENT SHOW.

Chrysanthemums have been fine the past week, a good assortment of all the standard sorts being in the market and they seem to have sold fairly well. W. K. Harris is sending in some fine blooms of his Our Dear Friend, called so on account of its golden color. Robert Craig also has a good variety in his sport from Liberty, a fine white; it might be called a white Golden Wedding, which latter variety it resembles closely, except in color. Prices range from $8 to $20 per hundred for select stock, while small flowers sell at from $3 to $4. Roses are still improving. Beauties can now be furnished with stems of any length. Prices are about $1 per foot per dozen. Teas are in medium demand at from $3 to $4 per hundred. S. S. Pennock is handling Scott's Liberty at from $15 to $20 per hundred. That we are a Liberty loving people is evidenced by the great rush to Sharon Hill station, the home of this great rose. Every train leaves or takes up visitors who all seem much pleased with the appearance of the plants and their blooming qualities.

Trade has been rather quiet the past week but still quite good for the season. The debutants are a little slow about appearing, but there will be a number of important coming-out teas the next two weeks, which will without doubt make a demand for choice stock. House plants are moving with the store men. Medium sized arecas are scarce, the retail $5-size being almost out of the market.

Jos. Heacock is building a large house 24x140 to "finish" palms in. He grows them well now but is not satisfied and expects when the new house is completed to put a polish on the larger sizes that will make them simply irresistible.

It is to be regretted that the store men did not take more interest in the chrysanthemum show. The growers of roses did make a slight attempt at exhibiting their stock although it was a meager showing. The classes intended for the store men, however, were a miserable failure. None of the premiums for table or mantel decorations were entered for and scarcely anything else on the schedule except a basket of flowers. Why this state of affairs, this apathy, it is difficult to ascertain, as there are more retailers than ever and the volume of business is certainly increasing year by year. The private gardeners did nobly, in fact without them there would have been no show at all. The attendance was about the same as last season and the society should net quite a snug sum for its treasury. K.

Cincinnati.

STATE OF THE MARKET.—FIRST OF THE MONTHLY SHOWS.—SOME FINE STOCK SHOWN.—GOOD SEEDLINGS EXHIBITED BEFORE THE COMMITTEE.—MEETING OF THE FLORISTS' SOCIETY.—ACCIDENT TO MRS. HILL.

Business has been only moderate and there have been such quantities of stock on the market that no decided betterment of prices has been possible. Chrysanthemums may be seen everywhere and at present rule the market. Carnations and violets are plentiful and of good quality. Roses are fast improving, with quite a demand for Meteor and Beauties.

The first monthly show of the season was held November 11 at the club rooms of the Florists' Society and was a grand success. Never before was there staged at one time, such collections of cut flowers as was the case at this show. Fifty dollars were offered in premiums and the following captured the well earned prizes: W. Rodgers $5 for twelve blooms of Mrs. Perrin; E. G. Hill & Co. $5 with Golden Wedding; Sunderbruch's Sons $5 with Wm. H. Chadwick; R. Witterstaetter $10 with twenty-five blooms of Major Bonnaffon; E. G. Hill & Co. $5 with a vase of twelve varieties. Sunderbruch's Sons were first with Brides, Bridesmaids, and Perles; George & Allen with Meteor. Mrs. E. F. Graves, of Richmond, Ind., won with twenty-five Evelina carnations. Wm. Murphy with twenty-five America and Sunderbruch's Sons with Mrs. Bradt. Chas. Schweizar was first on potted chrysanthemums. R. Witterstaetter showed a fine collection of seedling carnations.

Before the C. S. A. committee last Saturday Nathan Smith & Son, Adrian, Mich., showed three vases of seedling chrysanthemums which were exceptionally fine and highly praised. J. Fries, of Newport, Ky., showed a vase of Mrs. R. H. Bird a cross between Evangeline and Queen. In the evening of November 11 the regular monthly meeting of the Florists' Society was held and well attended. Three new members were elected. The show flowers were sold at auction and the money turned into the treasury of the society.

Mr. and Mrs. Fred. Lemon, nee Flora Hill, of Richmond, were at the show. E. G. Hill is improving and will soon be out again. Mr. Hill's mother, who is 82 years years of age, fell on a frosty sidewalk a few days since, breaking her right arm. Her many friends wish her a speedy recovery. H. SCHWARZ.

HIGH GRADE

Lily of the Valley Pips

My first shipment of Valley Pips, for early forcing will arrive about November the 20th. Having inspected my stock personally this summer, I am confident it will be of the highest grade and give the best satisfaction. They are strong pips and well rooted, and to introduce them more, I will sell them at the low figure of

$9.00 to $11.00 per 1000.

Fancy Valley in Bloom

I have always been regarded as headquarters for Valley, particularly the finest. I am more than ever in the same position and invite everybody to view my stock as I have constantly the finest and largest lot in bloom.

FOR SALE AT ANY CHICACO COMMISSION HOUSE

AND BY **H. N. BRUNS,**

690 W. Van Buren St., CHICAGO.

ESTABLISHED 1802

THORBURN'S SEEDS

CHINESE SACRED LILIES

SPLENDID LARGE BULBS,
$4.00 per basket of 100.

FINEST

LILY OF THE VALLEY PIPS.

Send for quotations.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Bald Head and Cauliflower Wiboltt's Snowball.

Awarded highest prize at St. Petersburg in May, 1899.

LILY OF THE VALLEY PIPS.

DANISH CAULIFLOWER SEED

gives in fact the very best results.

Extra Early DWARF ERFURT and Earliest DWARF SNOWBALL,

the most profitable two sorts for forcing, true to name and first quality, own home grown seed.

CABBAGE, WINTER, DANISH BALLHEAD,

For prices, samples and further information, address

CARL FRISENETTE, *Seed Grower,* COPENHACEN, V.

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

FOR ONE WEEK ONLY **Special Bargains in LIL. LONGIFLORUM.**

Not too late up to December 1st to plant for **Easter Flowers.**

5x7	per 100, $2.50.	Case of 500 $11.00	7x9	per 100, $6.00.	Case of 300 $17.00
6x8	per 100, $4.00.	Case of 450 $15.00	9x10	per 100, 11.00.	Case of 200 $20.00

LILIUM AURATUM, 6x8, per 100, $2.75; per 1000, $25.00; 8x9, $4.00 per 100; 9x11, $6.75 per 100. Rubrum, Album, Melpomene ready. ☞ New Seed List issued Dec. Send for it.

ADDRESS **H. H. BERGER & CO.,** ESTABLISHED 1878. **47 Barclay St., New York City.**

Buffalo.

TRADE IMPROVING.—GOOD STOCK IN MARKET.—THE MATTER OF VIOLETS.—ABOUT DONATIONS.—KASTING MEETS DEFEAT.—NOTES.

Trade is fair and the weather not so bad as it has been for some time. There is much good stock in the market, particularly chrysanthemums, roses and carnations. Violets are very scarce. During the time of the horse show and other events the growers all ship to New York, but during periods of inactivity in the metropolis they are glad to have us handle their stock, even if we do not get horse show prices. Why do not some of our good growers, who are competing in the usual lines, produce violets for this market? They could do well at it.

The bazaar of the 74th regiment gave us all a chance to donate our stock and services. This is a point in which florists are weak. We don't wish to contribute to all these things, the advertisement is not worth it, but we submit to the extortion. One of the most successful dry goods houses has put a stop to all this sort of thing and it hasn't hurt them a penny. So should florists and other business men firmly but politely refuse these requests. Customers come to us for the merits of what we have for sale, not because of what we give away.

W. F. Kasting was defeated in his race for the council by the republican sweep but he ran ahead of the democratic ticket, which is doing pretty well.

Jerry Brookins, of Orchard Park, is sending in some extra fine Golden Wedding, Niveus and the best Major Bonnaffons ever seen here.

George McClure has charge of the greenhouses at the Pan-American Exposition and is filling them up with spring stock.

Visitors: George Schmid, of Pittsburg; Henry Wise, East Aurora; R. E. Boettger, Eggertsville. W. A.

Salem, Mass.

H. T. Conant & Co. are cutting a fine lot of single-stemmed chrysanthemums and a good crop of the old favorite rose, Bon Silene. I am informed by the firm that they have customers who have demanded this rose for a number of years. Considering the number cut to the plant the firm finds it a very desirable variety to grow, being a very free bloomer and more easy to grow than most of the new ones. TAP.

CHARLESTON, S. C.—This city will have a chrysanthemum show in connection with the approaching Fall Festival.

IOLA, KANS.—A. L. Harmon states that he is perfecting plans for a large increase in his range of glass, probably 10,000 feet.

'MUMS, STOCK PLANTS

75c. PER DOZ., CASH WITH ORDER.

Lady Fitzwygram, Ivory, Maj. Bonnaffon, Mrs. H. Robinson, Mrs. H. Weeks, Mrs. Perrin. Rooted cuttings of Mrs. Fisher Carnations at $1.00 per 100; $9.00 per 1000.

E. H. BLAMEUSER, NILES CENTER, ILL.

CHEAP! CHEAP!

Chrysanthemum Stock Plants, W. and P. Ivory, Pacific, Robinson and Bergmann, $2.50 per 100, if ordered th's month.....

CHAS. L. MARSHALL, 57 Merrimac St., LOWELL, MASS.

Kift's Adjustable Hanging Flower Vase and Plant Holder.

Ornamental, practical and useful; just the thing for short-stemmed flowers such as violets, orchids, valley, etc. Indispensable for show window and house decorations. The clasps are adjustable and can be placed in any position or angle. The fixture is made of solid brass, heavily nickel-plated and is practically indestructible. A larger size for five to six-inch potted plants, such as Adiantum Farleyense, Cyclamens, etc., shows these plants to the best possible advantage.

Kift's Individual Cut Flower Vase...

A pointed glass tube fitted with a perforated rubber cap, through which the stem of the flower is placed. The cap holds the vase and the flower firmly together and prevents the escape of water in the tube, no matter at what angle it is placed. Useful for keeping flowers when sprayed on dinner tables, for basket handles, for orchid sprays which can be inserted in pots of Farleyense, etc., and is useful for hosts of decorative effects.

WRITE FOR CIRCULARS AND PRICES.

ROBT. KIFT, - 1725 Chestnut Street, Philadelphia, Pa.

ELECTROS

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock. Our collection includes the leading

ANNUALS
BIENNIALS
HARDY PERENNIALS
POT PLANTS
FLORISTS' FLOWERS
TREES AND SHRUBS
Also PARK AND GARDEN SCENERY.

PRICE FOR CASH ONLY IS CENTS PER SQUARE INCH

THE AMERICAN FLORIST CO.
.....324 Dearborn Street, CHICAGO, ILL.

SURPLUS OF FIELD-GROWN CARNATIONS,

all under shelter in a cool house, ready for shipping.

MACEO, GLACIER.....$10.00 per 100
DUHME, EVANSTON, DAYBREAK,
PINGREE, VICTOR, ARGYLE, ARMAZINDY, $5.00 per 100.

F. DORNER & SONS CO., La Fayette, Ind.

PRIMROSES.

	Per 100
CHINESE, single mixed, ready for 3-in. pots	$1.25
OBCONICA Grandiflora, " " "	1.25
FORBESII, " " "	2.00
150 ASPARAGUS SPRENGERI, 2½-in. pots	4.00
PANSY PLANTS, fine, 1000, $2.75	.50

CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

Please mention the American Florist when writing.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial. ...The American Florist.

We beg to advise our friends and customers that the business formerly known as Ellis & Pollworth will now be conducted under the name of

P.O. BOX 775 PHONE 1273.

Wholesale Cut Flower Growers Agents.

C. C. POLLWORTH CO.

Our line of FLORISTS' SUPPLIES is not excelled in the West.

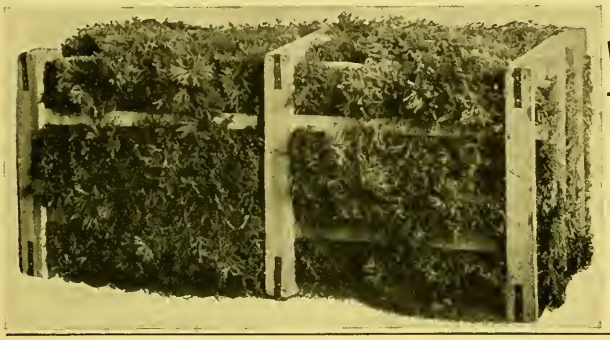
Palms, Ferns, Wire Work, Red Flower Pots and Improved Cut Flower Boxes

ARE OUR LEADING SPECIALTIES.

PLACE ORDERS NOW FOR **Green and Holly** FOR THE HOLIDAYS....

Address all correspondence and orders, and make all Checks, Money Orders, etc., payable to

C. C. POLLWORTH CO., Milwaukee, Wis.



Pioneer Headquarters For

VAUGHAN'S XXX HOLLY

Its average high quality never beaten. Every case re-inspected by us.

DEEP WOODS BOUQUET GREEN.

From Little Rib River Black River, Red River and Evergreen Creek. Indian picked.

Write to-day for our **HOLIDAY CIRCULAR**, giving a list of your wants.

VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO.

14 Barclay St., NEW YORK.

BOUQUET GREEN.

Best quality at lowest rates. We gather our own greens and bring by our own boat direct. Also CHRISTMAS TREES.

Northern Michigan Evergreen Nursery,

SCHOONER MARY COLLINS, - S. W Cor. Clark St., H. Schueneman Capt. Bridge, CHICAGO.

Please mention the American Florist when writing.

HOLLY. $3. HOLLY.

Very choicest of Delaware Holly, short branches, dark green leaves, solidly packed, well berried and guaranteed—16 cubic feet.

$3.00 case. | Running Cedar, Holly Wreaths,
10 cases, $2.70. | Wild Smilax, Galax Leaves, Mis-
20 " 2.35. | tletoe, at special low cash prices.

A. K. SAVACOOL, Lewes, Del.

Please mention the American Florist when writing.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

Green and Holly, Xmas Trees

Gathered under the supervision of our own men, experienced hands, that for the past ten years have done their share to make us absolutely headquarters for Xmas decorations.

Evergreen Wreathing, Holly Wreaths, Mistletoe, Etc.

The right kind at the right price, and last, but not least,

The mark, W. W. B. & Co., on case is an absolute guarantee for select quality. **at the right time.** Send us your list of wants for BOTTOM FIGURES.

W. W. BARNARD & CO.,

161 and 163 East Kinzie Street, CHICAGO.

Delaware Holly of the Best Grade from the Swamps, with Bright Green Foliage and well Berried.

Orders will now be received for shipments which will go forward freshly packed at the proper time. For prices and terms, address—

ALEX. PULLEN, = Milford, Del.

MILFORD NURSERIES.

Northampton, Mass.

A fairer November day never dawned than that which ushered in the fourth chrysanthemum show of the Northampton Horticultural Society, and a fairer scene of floral beauty never graced a city hall. As one entered the hall a fine table of cut blooms from A. Parks first won admiration, a vase of twelve Mayflower being especially fine. To the right was a similar table of blooms from H. W. Field, which contained some nice Bonnaffon,,and some very good cyclamens in 5-inch pots.

The entire right side of the hall was occupied by Donald McGregor with a collection of palms, ferns and other foliage plants, among which were dotted some nice single stemmed chrysanthemums. Two large specimens of Boston fern were in this group. Mr. McGregor also showed a vase of a seedling carnation of unique color. E. J. Canning, of Smith College, showed a group of good chrysanthemum plants which were of a varied assortment of color and excited much admiration.

A square mound of decorative plants and ferns from A. Parks consisted of good, clean stock and showed fine taste in arrangement. A small group at chrysanthemums from the Insane Hospital contained quite a variety of color, that old variety Robt. M. Grey exciting considerable admiration because of its oddity. E. D. Shaw, of Holyoke, showed a vase of good commercial blooms, as did the Massachusetts Agricultural College.

While the weather was fine both days the attendance was not what it should have been and had it not been for the generosity of the city fathers in giving the hall rent free the society would have suffered a financial loss. However, President Copeland says we will keep at it until we win. G. W. THORNILEY.

Acalypha Sanderi

FINE PLANTS, 2½-inch, $8.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.

Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

Orchids!

Just arrived in fine condition, a fresh lot of *Cattleya Mendelii* and *Lælia Jongheana*, also *C. labiata, C. Speciosissima, C. Gaskelliana* and *C. Harrisoniæ*.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Profitable Investment

Orchids in sheath and bud, to bloom in December and January. Price of flowers alone will realize over 100 per cent. cost of plants.

Odontoglossum Cervantesii per doz.,	$1 50	per 100 $12 00
" Roezli Majus, " "	2 00,	" " 15 00
" Nebulosum, " "	2.00,	" " 15 00

Price includes prepayment by parcel post.

J. A. McDOWELL, - CITY OF MEXICO.

SEE THIS PRICE. 500 3-in. Maids for forcing or p.t sales, worth $5.00 per 100; we close them at $3.00. 00 Maids, 2¼-in., at $2.50, choice stock. Carnations, cooted cuttings of best varieties of Carnations at $1.00 100. Place orders now.

W. H. CULLETT & SONS, Lincoln, Ill.

HOME GROWN PALMS

low bushy stock ready for retail.

	Each	Per 100
2000 6-inch Kentia Belmoreana	$1 50-$2.00	$145-$190

	Size Pot	Per Doz	Per 100
23,000 Latania Borbonica	5-inch	$ 5 .50	$40.00
	6 "	8.50	65.00
	7 "	11.00	90 00
	8 "	18-24	$144-$190
	9 "	30-$50	
Ficus Elastica	5-inch		45.00
	6 "		70.00
	branched	$1.50 to $2.50 each	
Livistonia Rotundifolia	$1.50 to $3.00 each.		

THE FINEST POSSIBLE GROWN.

ALBERT FUCHS, Estab. 1884. Only Chicago florist awarded medal on Palms, World's Fair, 1893.

2059-73 N. Halsted St., CHICAGO.

TERMS CASH.

Inspection allowed at express office.

BOSTON FERNS!

N. EXALTATA BOSTONIENSIS, small plants, $5.00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Larger plants, $6.00 to $20.00 per 100.

..Also a Fine Lot of..

KENTIAS, Belmoreana and Forsteriana, 6-inch pots, from $1.00 to $1.50 each; 7-inch pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 each.
ARECA LUTESCENS, 50 cts. to $3.00 each.
LATANIAS, from $4.00 per doz. to $3.00 each.
ARAUCARIAS, large plants, 75 cts. to $1.50 each.
ASPARAGUS PLUMOSUS, $1.00 to $1.50 per doz.
ASPARAGUS SPRENGERII, 3½-inch pots, $1.50 per dozen.
ASPARAGUS TENUISSIMUS, 2½-inch pots, 75 cts. per dozen; 3½-inch pots, $1.25 per dozen.
RUBBER PLANTS, $5.00 to $6.00 per dozen.
PRIMROSES, 3½-inch, $7.00 per 100.

WM. A. BOCK,

NO. CAMBRIDGE, - - MASS.

Unknown correspondents will send cash with orders. Connected with Telephone.

TO CLOSE OUT for want of room, the following plants, ready for a shift.

	Pots.	Per 100.	Per M.
150 Kentia Belmoreana	4-in.	$10 00	
400 Phœnix Reclinata	"	8 00	
1000 " "	2-in.	5.00	45.00
700 Latania Borbonica	"	5.00	40.00
5000 Pteris Tremula	"	2.50	20 00
2000 " Ensifolia	"	2 50	20 00
2000 " Serrulata Max	"	"	"
3000 " Longifolia	"	"	"
2000 " Serrulata	"	"	"
2000 " " Compacta Nana	"	3.00	25.00
1000 " Onardia	"	2.50	20.00
1500 Nephrolepis Bostoniensis	2½-in.	5 00	40.00
2000 " Cordata Compacta	"	4 00	35.00
2000 " Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

BOSTON FERN...

2½-in., $5.00 per 100; | 8 and 10-in. pans, from 5 -in., 50.00 per 100 | 75c. to $1.50 each.

Nephrolepis Cordata Compacta, 2½-in., $5.00 per 100, 8 and 10-in. pans, fine, $1.00 to $1.50 each.

Geraniums, S. A. Nutt, etc., rooted cuttings from soil, $1.50 per 100, $15.00 per 1000.

Asparagus Sprengerii, 2½-in., $5.00 per 100.

CASH PLEASE. CARL HAGENBERGER, W. Menlor, O.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

Do the American Florist a small favor. Mention the paper when writing to advertisers.

N. F. McCARTHY & CO.

will sell at

Public Auction

(Date to be Announced Later),

a splendid lot of ORNAMENTAL PALMS, LATANIAS, KENTIAS, Etc., stock sizes.

Also PYRAMIDAL BOX TREES and LAURELS, ACUBA JAPONICA and Fine RHODODENDRONS for Forcing.

By the way, as a reminder, now is the time to buy bright, annealed FLORISTS' WIRE, No. 23 and No. 24, cut in 9 or 12-inch lengths, for we can offer it special at $1.10 per stone.

N.F.McCarthy & Co.

JOBBERS IN ALL FLORISTS' GOODS,

84 Hawley Street,

Telephone 734. BOSTON, MASS.

Please mention the American Florist when writing.

PALM Seed. FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5.00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

PANDANUS VEITCHII.

Extra fine stock in 6-inch pots, $1.00 each.

Cannas in all the leading varieties at lowest rates if ordered now.

Carnation Cuttings ready soon.

W. W. COLES, - Kokomo, Ind.

Please mention the American Florist when writing.

..AZALEAS..



WE are now filling orders for Azaleas, importations of which have arrived in excellent condition. Import prices will hold good as long as the stock is not potted; the varieties we supply are the most popular sorts suited to the American market and we can give you any proportion you wish in the four leaders.....

Mme. Vander Cruyssen, Vervæneana, Deutsche Perle and **Bernhardt's Andrea Alba.**

Personal inspection of the stock in Belgium, through our own representatives, enables us to offer the best stock obtainable at bottom prices.

Order now and save heavy express charges later on, as shipments can at this time be made safely by freight.

FINE BUSHY CROWNS, well set with buds—

10 to 12 inches in diameter		$4.50 per doz.;	$35.00 per 100
12 to 14 "	"	6.00 "	45.00 "
14 to 16 "	"	7.50 "	55.00 "

SPECIMEN PLANTS, of the leading varieties—$1.00, $2.00, $2.50 and $3.00 each, according to size.

Henry A. Dreer, 714 Chestnut St., PHILADELPHIA.

15,000 Latania Borbonica.

Fine plants of exceptional value, viz.:

		Per 100	Per 1000
2 character leaves, 12-15 inch		$15.00	$125.00
2-3	" " 4-in. pots, 15-18 in.	20.00	150.00
4-5	" " 5-in. pots, 18-20 in.	25.00	
5-6	" " 5-6 in. pots, 18-20 in.	40.00	

CALADIUMS....
Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...
The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.
12-15 inch.....$12.00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF GLASS. 350 ACRES IN NURSERY STOCK.

Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries, AUCUSTA, GA.
Please mention the American Florist when writing.

PALM PLANTS.

LATANIAS, 4-in. pots, 18 to 22 in. high, 4 and 5 leaves, $2 per doz., $15 per 100; 6-in. pots 20 to to 24 in. high, 6 and 7 leaves, $6 per doz., $45 per 100; large, 3 to 3½ ft. in height and diameter, $2 per plant, $22 per dozen; large, 4 to 4½ ft. in height and diameter, $5 per plant.

ARECA LUTESCENS, 4-in. pots, 22 to 24 in. high, 2 and 3 plants to pot, $4 per doz.; 6-in. pots, 2½ ft. high, 2 and 3 plants to pot, $12 per doz.; 10, 11 and 12 in. pots, several plants to pot, 6 and 7 ft. high, $7.50, $10 and $12 50 per plant.

KENTIAS, several sizes; prices on application.

PANDANUS VEITCHII, 6-in. pots, nicely variegated, $1 per plant; 7-in. pots, nicely variegated, $1.50 per plant.

J. W. COLFLESH,
53d St. and Woodland Ave., Phila.

500 FERNS

(Pteris Serrulata.)

3-in. pots, ready for 4, at $6.00 per 100

2000 Maidenhair, 6 to 8-in. pots, fine plants, $40.00 per 100. **500 Latania Borbonica,** 3-in. pots, ready for 4, $10.00 per 100. Cash with order.

ART FLORAL CO.,
3907 Cottage Grove Ave., CHICAGO.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept. 15th.

P. O. Box 78.
Anton Schultheis, College Point, New York City
Please mention the American Florist when writing.

AZALEAS, etc.

Just received in excellent condition a large consignment of the best forcing varieties. Can be safely forwarded by freight before cold weather sets in.

10 to 12 inch Crowns $35.00 per 100; 12 to 14 inch Crowns $45.00 per 100; 14 to 16 inch Crowns $55.00 per 100.

LATANIA BORBONICA
7 inch pots, 6 large character leaves, $1.00 each; 8 inch pots, 6 to 7 large character leaves, $1.50 each; 9 inch pots, 7 to 8 character leaves, $2.00 each.

ARAUCARIA EXCELSA
Fine Stock 16 to 18 inches high, $1.25 each.

ROSES
Crimson Rambler, canes 3 to 5 feet, fine forcing stock, $12.00 per 100; **Hybrid Perpetual,** best forcing kinds, 2 years field grown, $10.00 per 100.

HYDRANCEA, HORTENSIA and RAMIS PICTIS
Strong field grown, suitable for 6 or 7 inch pots, $12.00 per 100: stronger plants $20.00 per 100.

LILIUM LONGIFLORUM, JAPAN CROWN,
6 to 8 inches, $4.50 per 100; $40.00 per 1000; 7 to 9 inches $7.00 per 100; $65.00 per 1000.

HYACINTHS
Unnamed, separate colors, $40.00 per 1000.

IRIS KAEMPFERI
(Japan Iris), named varieties, $5.00 per 100; $40.00 per 1000.

DEUTZIA GRACILIS
Fine forcing stock, 12 to 15 inches high, $4.00 per 100. Fine forcing stock, 15 to 18 inches high, $6.00 per 100.

BERBERIS THUNBERCII
Strong transplanted stock, 15 to 18 inches, $3.00 per 100. Strong transplanted stock, 18 to 24 inches, $4.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.

Please mention the American Florist when writing.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN,
in all sizes from
$5.00 per 100, $40.00 per 1000 to
SPECIMEN PLANTS at
75c., $1.00, $2.50, $5.00 and $10.00 each.

Further information cheerfully given.
SATISFACTION GUARANTEED.

EDWIN LONSDALE, Chestnut Hill, ...PHILA. PA.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for	$1.00
12 strong plants, 3-in. pots, for	5.00
12 strong plants, 4-in. pots, 2 to 3 feet	9.00
12 strong plants, 5-in. pots	18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

THE BOSTON FERN A Specialty.

Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.
Please mention the American Florist when writing.

Pittsburg.

TRADE IS GOOD.—STOCK IN SIGHT.—BEAUTIES IN THE LEAD.—SHOW AT SCHENLEY PARK.—JOTTINGS.

Trade is still holding up well, particularly so in the East End. Owing to the abundance of chrysanthemums the prices are somewhat reduced, but the supply of roses is shortening up, while carnations are improving but are not over plentiful. Paper White narcissi have made their appearance but there is no pressing demand for them. American Beauties have the call in roses, are very satisfactory and reasonable in price.

The annual chrysanthemum show at the Phipps Conservatory, Schenley Park, is at its height and is visited daily by great numbers of people. It will continue for about two weeks longer. Two large cases of orchids and tropical plants were received last week. The collection is the gift of the West Indian government and embraces a number of new and interesting varieties.

Wm. R. Smith, superintendent of the Botanical Gardens at Washington, has been the guest of Wm. Falconer. He is making a tour of the leading flower shows in this part of the country.

GEO. OESTERLE.

MASSILLON, O.—On November 10 fire originating in the boiler shed did $700 damage to the establishment of Clifford Manly.

MADISON, WIS.—T. A. Jensen, is now assistant horticulturist at the University of Wisconsin. He has for three years been gardener at the Hillside Home school near Spring Green.



Post Yourself

New Yellow Baby Primrose, a mate to the Pink Baby. We are the only ones that have this one in the United States, $1.20 per dozen; $10.00 per hundred. New Geranium De Roo Mitting, a cross between Cloth of Gold and S. A. Nutt, has yellow foliage and pure scarlet bloom, double, $1.20 per dozen; $10.00 per hundred. New Geranium, double Snow Drop; the best double white pot plant and bedder to date, $1.20 per dozen; $10.00 per hundred. 20 new Coleus, all named, fancy bedders, the 20 new varieties for $1.00 or $4.00 per 100. New Coleus, Little Gem, 6 inches high for border, pink variegations, 25 cents each.

THE MORRIS FLORAL CO.,
MORRIS, ILL.

EUCHARIS AMAZONICA.

I have a splendid stock of this grand greenhouse plant which I will close out cheap, requiring the space for other stock. They are in 10-inch pots, each pot well filled with plants and just coming into bud and flower. Per single pot, carefully packed to travel any distance, $2.50; per doz., $25. Write for trade price list of my specialties—Palms, Ferns, Asparagus, etc.

EMERSON C. McFADDEN, Short Hills, N. J.
U. S. EXOTIC NURSERIES.

25,000 CANNAS. Send list of you wants.
5,000 CARNATIONS, Scott, Portia and McGowan at 3c, or $25.00 per 1000. No frost. Not culls.
VINCA MAJOR VAR. and SPIRÆA Anthony Waterer, field stock, 5c.
GENISTA, 2½-in. 3c. **MOONVINE**, strong rooted cuttings, $1.50 per 100.
HALLEANA HONEYSUCKLE, rooted cuttings, strong, $1.50 per 100. CASH PLEASE.

BENJ. CONNELL, Florist, WEST GROVE, PA.

PÆONIA OFFICINALIS RUBRA PLENA.

$10 per 100, $1.50 per dozen.

This is the true dark crimson variety, the earliest flowering Pæonia in existence and the only one good for forcing.

PÆONIA CHINENSIS, colors mixed, $8 per 100.
" " pure white, $15 per 100.
" " (named), 50 plants in 50 distinct varieties, per collection, $15.

SPIRÆA	japonica	$3.50 per 100	Extra large clumps.
"	compacta	5.00 "	
"	astilboides floribunda	5 00 "	
"	japonica aurea reticulata	10.00 "	
DUTCH HYACINTHS,	all colors mixed	$35.00 per 1000	
" "	named varieties, large bulbs, $5 per 100;	45.00 "	
Single TULIPS,	colors separate	6 00 "	
" "	mixed	5.00 "	
Double "	" "	5.00 "	
CROCUS,	colors separate	2.50 "	

BUXUS, in Pyramidal Standard form, 18 24 inch high, $6 00 per doz; 2½-3 ft. high, $9 00 per doz; 3-3½ ft. high, $15.00 per doz.; 3½-4 ft. high, $18 00 per doz; 4 5 ft., $24.00 per doz.

Bobbink & Atkins, Rutherford, N. J.

20th CENTURY VERBENAS.

Thirty-two grand mammoth varieties, including the new Capt. Dreyfus, Helen Gould, Melba and many others. This is the set that will make the money for the retail florist in the year 1900. Strong, 2-in. pot plants ready Nov. 10th, $2.00 per hundred rooted cuttings, 60c per 100, $5.00 per M.

NEW DBL. FRINGED PETUNIAS, Henderson's and Dreer's latest set, known the world over as the standard of perfection; strong rooted cuttings Nov. 10th, $1.00 per 100; 2-in. pot plants, $2 a 100.

SMILAX, 20,000 extra stroog bushy seedlings, ready for 2-in., fine plants, 50c. per 100, $4 per 1000, free by mail. All rooted cuttings delivered free.

PRINCESS PAULINE AGERATUM, the great novelty of '98, the only one to grow; rooted cuttings now ready, $1.00 per 100; strong 2-in. pot plants, 50c. per doz., $2 00 per 100.

1000 FIELD CARNATIONS, mixed, $2.50 per 100 to close out (protected from frost). Wholesale list now ready. Send for it.

1000 BRIDESMAID ROSES, 2½ and 3 in., $2.50 per 100 to close out. CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

To Plant After Early 'Mums.

SMILAX for Easter trade, when all green is scarce. Strong plants from 2½-in. pots, $2.50 per 100.

VIOLETS, extra large, field-grown clumps of Princess of Wales, $8.00 per 100. California, $5.00 per 100. These are well budded and will give immediate returns.

CHRYSANTHEMUM STOCK.
All the leading standard sorts and novelties. List of varieties and price on application.

Nathan Smith & Son,
ADRIAN, MICH.

Please mention the American Florist when writing.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

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Cyclamen!

are among the very best of flowering plants for home adornment. No flowering plant is more satisfactory than is this for window gardening. I have known flowers to remain perfect on Cyclamen for six whole weeks. This statement is not a mere guess, but is the result of an actual experiment.

We have a few more plants left, ready for repotting into either 4 or 5-inch pots.

Nothing can give more satisfaction as a Christmas gift than a Cyclamen. Now is the proper time to be getting them into good shape for that gay and festive occasion.

We pack light and guarantee safe delivery if sent by express.

$1.25 per dozen, $8.00 per 100.

EDWIN LONSDALE,

Money order office, Chestnut Hill, (Sta. H.) Philadelphia, Pa.

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Please mention the American Florist when writing.

Asparagus Plumosus Nanus

STRONG STOCK.

2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000

S. S. SKIDELSKY,
730 Pine Street, PHILADELPHIA.
Mention American Florist.

14 DAYS ONLY.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, well set with buds, from 3 in. pots, $7 per 100; $65 per 1000. Our selection, mixed, $6 per 100; $50 per 1000. Out of 4-in. pots, very fine, in bud and bloom, $12 a 100.

Chinese Primroses, fringed foliage, finest market varieties, from flats, $1.50 per 100; from 2 in. pots, $1 75 per 100; from 2½-in. pots, $2.50 per 100; from 3-in. pots, very fine, $4 per 100. Double white, red and single blue $5 per 100. **All the above warranted A1 stock.** PAUL MADER, East Stroudsburg, Pa.

100,000 Gladiolus Choice mixed, mostly light shades, from $1.50 to $5.00 per 1000, according to size. Write for full particulars. Also fine stock of Dahlias.

L. H. READ, Grand Rapids, Wis.

New Variegated Carnation

OLYMPIA.

The largest and best-formed flower ever sent out. It is very free and a great improvement over Mrs. G. M. Bradt.

PRICE: $2 per doz.; $12 per 100; $100 per 1000.

Orders now booked and will be filled in strict rotation.

JOHN N. MAY, SUMMIT, NEW JERSEY.

PALMS—CHEAP!

Latanias and Arecas

We are crowded for space and offer at a bargain. Write for sizes and prices.

Japan Longiflorum, 7-9, $7.50 per 100.

BROWN & CANFIELD, Springfield, Ill.

Stock Plants.....

CHRYSANTHEMUMS!

10c. each, or $1.00 a doz.

The following varieties:

Viviand-Morel	Pennsylvania	Golden Gate
Mrs. Egan	Mutual Friend	Mrs. F. Thompson
Kentucky	Mayflower	Mrs. H. L. Weeks
Mrs. Robinson	F. Hardy	Mrs. C. B. Pierce
	Major Bonnaffon	

CARL E. TAUBE,
Mercer Floral Co. TRENTON, N. J.

CARNATIONS!

After Chrysanthemums are thrown out, many florists plant Carnations. We have a few thousand plants heeled in cold frames suitable for this purpose. They are first-class plants.

Buttercup, C. A. Dana, Crimson Sport, Eldorado, Mrs. Fisher, Wm. Scott, Mayor Pingree, Armazindy, Daybreak, Jubilee, Meteor, Sweet Brier, Capt. King, Albertini.

$4.00 PER 100.

J. L. Dillon, Bloomsburg, Pa.

THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

For further information apply to the nearest Railroad Ticket Agent, or to

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CARNATIONS

Fine field grown plants.

HECTOR, large scarlet. EVELINA, very free white. $6.00 per 100; $50.00 per 1000. 500 plants at 1000 rate.

H. WEBER & SONS, Oakland, Md.

Field Grown CARNATION PLANTS

Orders booked now for strong, healthy plants of the following varieties:

500 FLORA HILL	1000 SILVER SPRAY
500 McGOWAN	1000 IVORY
500 GOLDFINCH	500 ELDORADO
1000 EMILY PIERSON	500 MORELLO

If there is anything here you want write me before you buy and get prices. Can do you some good on this lot of stock.....

CHAS. CHADWICK,
Lock Box 11, GRAND RAPIDS, MICH.

GIVE US LIBERTY!

will be the cry when the plants are all sold. Order at once.

Robert Scott & Son,
SHARON HILL, Del. Co., PA.

STORM KING DAHLIA

READY NOW.. **For Forcing.**

Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.

W. P. PEACOCK, ATCO, N. J.

Finest Forcing Roses

	2¼-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2¼-inch pots, at low prices. Send for prices. **Cash with order.**

Asparagus Sprengerii 2½-in. pots; Asparagus plumosus nanus 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

"Indispensable"

THIS is the only word which describes the American Florist Company's Trade Directory. This book, 359 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurseryman and Seedsman, arranged both by states and towns and alphabetically. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

EDITION OF 1899, POSTPAID, $2.00.
IN FLEXIBLE LEATHER BINDING, $3.00.

AMERICAN FLORIST CO.,

324 Dearborn St., CHICAGO, ILL.

Lynn, Mass.

W. F. Newhall is cutting some fine Lady Campbell and Princess of Wales violets. These two seem to be gaining in popularity in this section. Wyman & Son are cutting some fine chrysanthemums and are finding a ready market. Prices seem to be fairly good, although carnations have dropped slightly. Prices, as a rule, are low, for business is overdone here more than in any city in the Union. There are within the city limits upwards of eighty places where plants and flowers are grown for sale. This in a city of only 65,000 population gives an idea of what the competition is.

E. G. Blaney, Jr., Swampscott, is cutting some extra fine roses and has his carnations in excellent condition, especially Flora Hill, Mrs. Bradt and C. A. Dana. The latter is proving a fine sort and is worth more attention than has been given it hereabouts. Mr. Blaney has a seedling adiantum which should be watched. He is showing it at a number of the exhibitions. TAP.

MARION, IND.—Gunnar Teilmann, who took a number of first prizes at the Chicago show, recently had an exhibition of his own at which he displayed some thirty varieties of chrysanthemums, all well grown.

GALION, O.—Chas. J. Tracht has greatly improved his facilities during the past summer and now has large, airy houses, well heated and filled with choice stock. He gave an "opening" recently which attracted many guests.

WAYNESBORO, PA.—The chrysanthemum show at Henry Eichholz's greenhouses was a great success. Over 600 people visited the show and the many purchases made proved that a good show will pay each florist in a small town. Wm. B. Reed, Philip Fisher and C. Lawrence, all florists from Chambersburg, were visitors.



WANT ROOM.

	per 100	1000
PRIMULA, Chinese, mixed....2½-in.,	$1.50	$12.50
Obconica "	1.50	12.50
in bud 3½-in.,	3.00	25.00
FORGET-ME-NOT, winter bloomer.. 2½-in.,	2.00	15.00
VELVET PLANT	1.50	12.50
ALTERNANTHERA, 4 varieties, strong, ...2½-in.,	2.00	15.00
IRESINES, 2 colors 2¼-in.,	2.00	15.00
GERANIUMS, 60 vars., mixed "	1.50	12.00
BEGONIAS, 15 named varieties, flowering..... "	1.50	12.50
CIGAR PLANT, strong..... "	1.50	12.50
FEVERFEW Little Gem..... "	1.50	12.50
" golden foliage.. "	1.50	12.50
COLEUS, 10 standard named. "	1.50	12.50

CASH.

W. H. MURPHEY, - Minooka, Ill.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other var., 15c per 100; $1 per 1000; if by mail add 10c per 100.

PARSLEY, strong plants 35c per 100; $1.50 per 1000; $12.50 per 10,000 if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

A TRUE BONANZA

AND PRICES ON THE RISE. THREE GEMS OF PUREST WATER.

Florists who grow their own plants and flowers will find none more profitable than our wonderful

3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."



IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other.

FOR CHRISTMAS OR NEW YEAR

nothing could be more pleasing, useful or profitable. While they last,

LARGE CLUMPS, READY TO DIVIDE,

$5 per 100 or 25 for $1 50 by express. Smaller ones by mail prepaid, same price.

A few hundred EXTRA LARGE CLUMPS, $10 per 100, $1.50 for 12.

Any of above should make doll r plants by Christmas.

THE GENUINE EDELWEISS

OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. *10 for $1, 25 for $2, mailed free.*

THE LACE FERN,

POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water.

Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

ASPARAGUS SPRENGERI

2½-in., fine, $4.00 per 100; 3½-in., $7.00 per 100.; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

☞ I made $75 more off 250 Baby Primroses than I did off 800 Violet plants; sold the flowers to New York. I want more; also some of your new Forget-me-not. W. H BURBANK, Florence, N. J.

FOR WINTER BLOOMING. The Orange Violet (Browallia Jamesoni); makes extra fine specimens; 3½ in., $1 25 per 12 express. Browallia Speciosa or Giant Violet, $1 per 12. Euphorbia Jacquiniflora, $1 25. Baby Primrose, 75c. New Primula Obconica hybrida, 75c. Golden Lilac (Centrum Aurantiacum), 75c. New pink Astilbe Chinensis, offered first in Europe this year at $2 per one small plant; our price, field grown, very fragrant, $1 50 per 12. All except Orange Violet prepaid by mail or larger by express. Gloxinias, especially grown for Xmas blooming fine plants, $7 per 100; 25 for $2. Little Gem Callas, $3 per 100; 75c per 12. Spotted Callas, monster bulbs, $5 per 100; smaller at $3 per 100, 25 at 100 rates.

A. BLANC & CO., Philadelphia.

Please mention the American Florist when writing.

GERANIUMS

Rooted Cuttings, in perfect health and condition and strictly true to name.

	Per 100	Per 1000		Per 100	Per 1000
4000 Mme. Chas. Molin,	$2.50	$20.00	5000 Single Grant,	$2.00	$15.00
10,000 S. A. Nutt,	2.00	15 00	8000 Double Grant,	2.50	20.00
5000 Mrs. E G. Hill,	2.50	20 00	1000 Miss F. Perkins,	3.00	
5000 La Favorite,	2.00	15.00			

Nearly 50 other good kinds, $2.50 per 100; $20.00 per 1000.

Prompt shipment. Terms cash with order.

J. T. LOVETT, LITTLE SILVER, N. J.

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BROWALLIA GIGANTEA.

Fine plants to grow on for your Xmas trade. Rooted cuttings.....$2.00 per 100
Out of 2½-inch pots, bushy..... 4.00 "
Out of 3½-inch pots, bushy..... 6 00 "
Samples for 10 cts. in stamps.

HENRY EICHHOLZ, Waynesboro, Pa.

Please mention the American Florist when writing.

Vinca Major Var.

Strong, field-grown clumps, $5.00 per 100. Layers, well-rooted, $1.50 per 100. CASH.

H. KINGSTON, COUNCIL BLUFFS, IOWA.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. **VIOLETS.**

WOOD BROTHERS, FISHKILL, N.Y.

Please mention the American Florist when writing.

PETUNIAS, Double Fringed, a good collection of money makers, 2-in., per 100, $2.00; rooted, per 100, $1.00. **Selaginella Denticulata,** 2-in., per 100, $2.00. **Geraniums,** mxd., per 100, $1.50. **E. I. Rawlings, Quakertown, Pa.**

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ARE EXCLUSIVE IMPORTERS AND MANUFACTURERS OF

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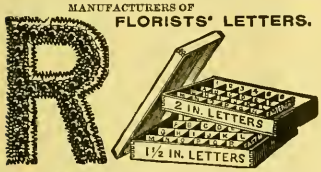
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Grasses, Immortelles, Pot Covers, Metal Designs,
Chenille, Plateaux, Cape Flowers, Lace and Paper Handkerchiefs.
Prepared Palm Leaves, Pedestals, Palm Plants, Etc , Etc.

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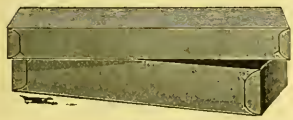


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A Weekly Illustrated Journal.

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Wellington St., Covent Garden, London, England.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
50. 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

Always mention the American Florist when you order stock.

IMP.

For Greenhouse Cultivating.

IMPERIAL LIQUID PLANT FOOD.

IT IS RICH IN WHAT PLANTS NEED
IT PRODUCES WONDERFUL GROWTH.
IT IS CLEAN AND ODORLESS.
IT PAYS FOR ITSELF MANY TIMES OVER.

We refer to John Barr, Jackson Dawson, W. W. Rawson, of Boston, etc., etc.

EASTERN CHEMICAL COMPANY,
620 Atlantic Ave., Boston.

FLORISTS' SUPPLIES. NEW LIST FOR 1899 IS OUT and will be mailed on application.

CYCAS LEAVES. OURS RIVAL THE BEST IN THE MARKET. 16-19 in. $1.20; 20-23 in. $1.40; 24-27 in. $1.60; 28-31 in. $1.90; 32-35 in. $2.20; 36-39 in. $2.50; 40-43 in. $3 the doz. leaves. Note the reduction.

IMPORTED METAL DESIGNS, just received, latest attractive styles, from 35 cts. upwards.

AUGUST RÖLKER & SONS, 52 DEY STREET, NEW YORK.

"NICOMITE"

(PATENT)

Vapor Insecticide

POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

RED SPIDER, GREEN FLY and all other Insect Pests.

ASK YOUR SEEDSMAN FOR IT.

The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

REED & KELLER.....

Florists' Supplies

122 W. 25th St., NEW YORK CITY.

A. HERRMANN

Manufacturer of **Florists' Supplies**

Send for a price list.

404-406-408-410-412 E. 34th St., NEW YORK

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NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS—ENDORSED BY PROMINENT FLORISTS—USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT—200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN——CIRCULAR FREE—

SKABCURA DIP CO. CHICAGO.

Kill and Save the Blooms Bugs! QUICKLY DOES IT.

Please mention the American Florist when writing.

BONE MEAL

Made for my own use and for other florists who are looking for something good.

TRY A BAG NOW.

ALBERT M. HERR, Lancaster, Pa.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

Cleveland.

STATE OF THE MARKET.—CHRYSANTHEMUMS PLENTIFUL, INFERIOR AND CHEAP.—ROSES OFF CROP.—CARNATIONS DOING WELL.

Business for the past two weeks has been without noteworthy features. The earlier part of the period was rather dull, but little doing anywhere, compared to the supply of flowers. Lately trade has picked up somewhat, and at this writing is fairly good. Chrysanthemums seem hardly up to the quality of other years, for some reason, the flowers generally running rather small. Prices on them are as variable as the quality, but to get more than 10 cents, even for the best, seems a hard task. Roses that are offered are of fair quality generally, but the cut at present is rather limited, although, in the midst of chrysanthemum time this is an affliction not hard to bear. Carnations in general look well at this time, although they are hardly in crop yet with most growers. A.

ALBION, IND.—Chrysanthemums will be a feature of the ladies' annual bazaar Thanksgiving week.

BLUFFTON, IND.—Mrs. A. L. Meyers supplied about 600 plants for a chrysanthemum show at the Baptist church November 15 and 16.

BALTIMORE, MD.—Henry Voelker has bought at auction of the trustees the greenhouse property at the corner of Gay and Choptank streets, consideration $2,300. The property consists of two lots, for which the rental is $380, improved by ten greenhouses, office, dwelling and stables.

REAL ESTATE.

Land with or without greenhouses, in different parts of the United States. Bargains can be had and opportunities opened for profit. Write for particulars and state your requirements.

SMITH & SMITH,
345 Sixth Ave., Pittsburg, Pa.
Brokers in Real Estate, Glass, Pipe, Boilers, Etc.

Our Blue Book
for 1899

The Directory of Florists, Seedmen and Nurserymen of the United States and Canada. Price $2.00, postpaid.

AMERICAN FLORIST CO.,
324 Dearborn St., - CHICAGO.

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
J. G. SWAHN'S SONS, P. O. Box 78, MINNEAPOLIS, MINN.

The Right Cypress for Greenhouse Material.

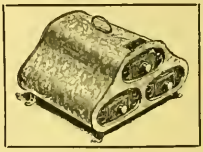
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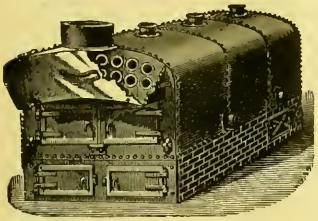
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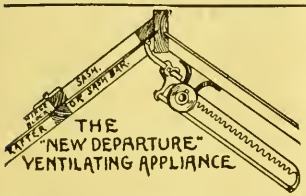
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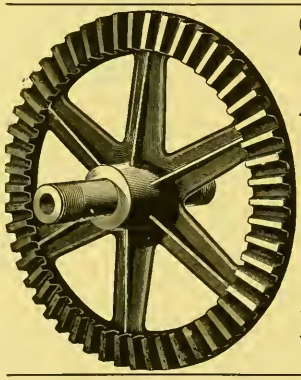
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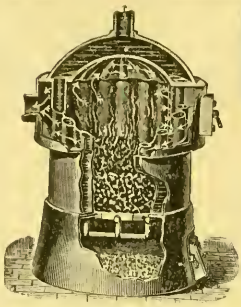
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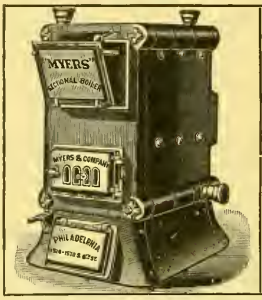
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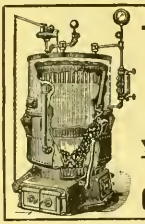
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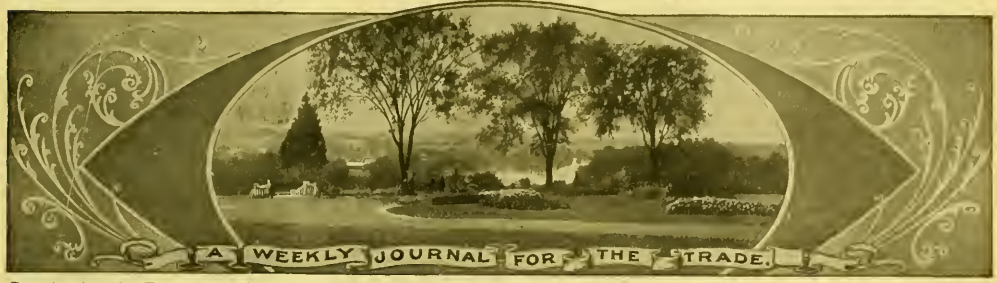
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Vol. XV. **CHICAGO AND NEW YORK, NOVEMBER 25, 1899.** **No. 599**

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BERTERMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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THE EXHIBITIONS.

Toronto.

The tenth annual chrysanthemum show of the Toronto Gardeners' and Florists' Association, held on November 15, 16, 17 and 18, was the best on record, not because of the quantity of flowers, but as regards the quality, which was so good as to leave little to be desired. The arrangement was a great improvement on that of former years. The center of the building was occupied by a mass of fine palms, surrounded at some little distance by five groups of foliage plants arranged for effect. Radiating from the center between these groups were the long tables of cut flowers. In the center of the stage was a collection of orchids from Exhibition Park such as has never been seen in Canada before, the sides and corners of the building being filled with ferns and chrysanthemums in pots.

The annex was reserved for specimen plants and the flowers and plants exhibited by amateurs, which were more numerous and better than in any previous year. The weather was all that could be desired, and the attendance such as to insure success.

It is impossible to give a description of even a small portion of the flowers shown, but the seedling white chrysanthemum, Timothy Eaton, exhibited by F. C. Miller & Sons, and for which a special prize was given, was easily the finest flower among the thousands exhibited. The perfect blooms were said to be nearly eight inches in diameter. J. H. Dunlop also showed two very fine new varieties, Toronto and Ladysmith. Following are the prize winners:

CHRYSANTHEMUM PLANTS.

Exhibition Park was first for standard with stem not more than three feet, for three specimen white, for three yellow and for three any other color; second for specimen of any kind and for twelve varieties in 6-inch pots.

Horticultural Gardens were first for three specimens pink, for twelve varieties in 6-inch pots; for twelve varieties, single stemmed, for twelve yellow single stemmed, for twelve of any color and for twelve plants four varieties; second for best standard, for three specimens white, for three specimens yellow, for twelve white single stemmed and for twelve pink single stemmed.

Grainger Bros. were first for twelve white single stemmed and twelve pink single stemmed; second for twelve varieties single stemmed and twelve yellow single stemmed.

G. H. Mills was first for best specimen of any variety.

MISCELLANEOUS PLANTS.

Grainger Bros. were first for group of ninety square feet, for twenty-four ferns in six varieties, for six flowering plants and for twelve ferns in three varieties; third for specimen palm; fourth for group of foliage plants and chrysanthemums.

Exhibition Park was first for group of foliage plants and chrysanthemums, for six specimen palms, for collection of orchids, for three orchids in bloom, and for twelve primulas; second for six palms three varieties, for six ferns and for specimen fern; third for six palms 6-inch pots and for six cyclamens; fourth for group covering ninety feet.

Horticultural Gardens were first for six ferns, specimen fern and for six callas; second for group covering ninety feet, group of foliage plants and chrysanthemums, specimen palm, three orchids in bloom, and for six flowering plants; third for collection of orchids.

Manton Bros. were first for specimen palm, six palms and six palms in 6-inch pots; second for six palms 8-inch pots, twenty-four ferns, twelve ferns and collection of orchids; third for group coverering ninety feet, group of foliage plants and chrysanthemums, twelve adiantums, six ferns, three orchids in bloom and six flowering plants.

North Toronto Floral Co. was first for twenty-four adiantums and for twelve adiantums.

Wm. Jay & Sons were first for cyclamens.

J. H. Dunlop was second for six palms in 8-inch pots, six palms in 6 inch pots, twenty-four adiantums and twelve adiantums.

G. H. Mills was second on cyclamens.

CUT CHRYSANTHEMUMS.

J. H. Dunlop was first for twelve varieties, twelve yellow, twelve any color, six yellow, twenty of one variety and twenty-five any varieties; second for twenty-five varieties, six white and six any color; third for twelve white, twelve pink and six pink.

H. Dale was second for twenty-five varieties, twelve white and twelve pink; second for twelve varieties, twelve yellow, twelve any other color, six pink and twenty-five any varieties; third for six yellow, six any color and twenty-five any varieties.

F. C. Miller & Sons were first for six white and best bloom in the show.

Exhibition Park was first for six pink and six any other color; second for six yellow; third for twenty-five varieties.

Grainger Bros. were second for twenty of one variety, twelve white and twelve pink; third for six white. Jay & Son were third for twelve varieties and twenty-five of any varieties; fourth for twenty-five varieties.

ROSES.

H. Dale was first on Perle des Jardins, Sunset, Mme. Hoste, Mme. Cusin, American Beauty and on any other variety; second on Bride, Bridesmaid, Meteor and vase of fifty blooms.

J. H. Dunlop was first for Bride, Bridesmaid, President Carnot, Meteor, a new variety and vase of fifty blooms; second on Perle, Mme. Hoste, Mme. Cusin, Beauty and any other.

CARNATIONS.

H. Dale was first on red, light pink, dark pink, variegated and vase of fifty blooms; second on fifty any variety; third on white.

Wm. Jay & Son were first on white. S. Tidy & Son were first on fifty any variety.

J. H. Dunlop was second on white, light pink and vase of fifty; third on dark pink and fifty any variety. F. C. Miller & Sons were second on red, dark pink and variegated; third on vase of fifty. North Toronto Floral Co. was third on light pink.

VIOLETS.

H. Dale was first on doubles and California, second on singles. Manton Bros. were first on singles; second on doubles and California. Grainger Bros. were third on California.

FLORAL DESIGNS.

J. H. Dunlop was first for hand bouquet and table basket; second for presentation basket; third for funeral design and for presentation basket of chrysanthemums.

J. Simmons was first for funeral design; third for hand bouquet.

Grainger Bros. were first for basket of chrysanthemums; second for table basket.

S. Tidy & Sons were first for presentation basket; second for funeral design.

F. Brown was second on bouquet and basket of chrysanthemums; third on presentation basket and table basket.

AMATEUR CLASSES.

There were fourteen classes for amateurs in which G. R. Copping, H. Lucas, A. McHardy, E. Tyrrell, A. C. McConnell, W. A. McCuaig, J. O. Orr, E. Collins, G. H. Mills, F. G. Butt and Mrs. McCormick were the winners. S. P.

St. Louis.

There is very little fault to be found with this year's exhibition of the St. Louis Florists' Club. The closing days were as successful as were those in the middle of the week and the financial results were better than ever before. The competition was close in most of the classes. Following are the awards of the days not reported last week:

FRIDAY'S AWARDS.

Fifty cut chrysanthemums, quality and arrangement considered equally, first, Wm. Schray; second, W. J. Vesey, Fort Wayne, Ind.

Vase of cut blooms, yellow, first, J. F. Windt.

Twelve blooms Major Bonnaffon, first, Wm. Schray; second, W. J. Vesey.

Vase of not less than twelve varieties, first, Jas. Hartshorne, Joliet, Ill.

Vase of yellow blooms grown in natural cluster, first, Wm. Schray.

Twenty-five American Beauties, first, Ellison & Tesson.

Vase of Bridesmaids, not more than fifty, first, Ellison & Tesson.

Twenty-five American Beauties, first, Ellison & Tesson.

Vase of seedling carnations, first, H. Weber & Sons, Oakland, Md.

Vase fifty carnations, first, H. Weber & Sons.

Display of new carnations, first. H. Weber & Sons.

Table decoration, first, Ellison & Tesson.

Two hundred single violets, first, Ellison & Tesson; second, W. J. Vesey.

Display of double violets, first, H. C. Ostertag; second, Ellison & Tesson.

SATURDAY'S AWARDS.

Twelve blooms The Queen, first, Michel Plant and Bulb Co.; second, Wm. Schray.

Twelve blooms Major Bonnaffon, first, H. Weber & Sons; second, Gunnar Teilmann; third, W. A. Chalfant, Springfield, Mo.

Twelve blooms any other yellow, first, Michel Co.; second, W. A. Chalfant; third, H. Weber & Sons.

Twelve blooms any other white, first, Michel Co.; second, C. C. Sanders; third, H. Weber & Sons.

Twelve blooms pink, first, H. Weber & Sons; second, Gunnar Teilmann; third, W. J. Vesey.

Twelve blooms, any variety introduced within three years, first, W. A. Chalfant; second, W. J. Vesey; third, H. Weber & Sons. LOUISIANA.

Elmira, N. Y.

Despite the snow and slush an excellent array of flowers was brought to the annual exhibition of the Elmira Horticultural Society, opening on Wednesday, November 15. The number of blooms shown was much larger than last year and the quality was also much improved. Notwithstanding the disagreeable weather the people came in goodly numbers and went away delighted with the flowers and the music. The society is well pleased with the exhibition and without drawing invidious comparisons upon Mr. Scott's little city and our saline neighbor, we will state that we are informed that our show was far ahead of those held in Buffalo and Syracuse in the last two years.

C. E. Hunn, of the horticultural department of Cornell University, brought over a fine display of new varieties and George Fancourt, of Wilkesbarre, Pa., sent some fine vases of pink and white sorts which showed up well. J. E. Anthony, of Watkins, brought along a good exhibit of well-grown blooms and G. P. Rawson had a large display of splendid flowers, the finest of which were Eclipse and W. H. Chadwick. The latter was in grand shape and one of the judges said that he considers it the finest variety in cultivation to-day. Mr. Rawson occupied the platform at the front of the room with palms, ferns and chrysanthemums beautifully arranged around a mirror and illuminated by the footlights.

E. M. & H. N. Hoffman had a dozen vases of well-grown blooms in good commercial sorts and a long table filled with low, bushy chrysanthemum plants and some fine cyclamens in full bloom. Their decorative arrangement was an alcove fitted up as a dining room, with decorated buffet, china closet and table set for six. The table and chandelier over it were trimmed with yellow and cream chrysanthemums and asparagus, with violets for favors. They also exhibited some excellent vases of carnations and roses.

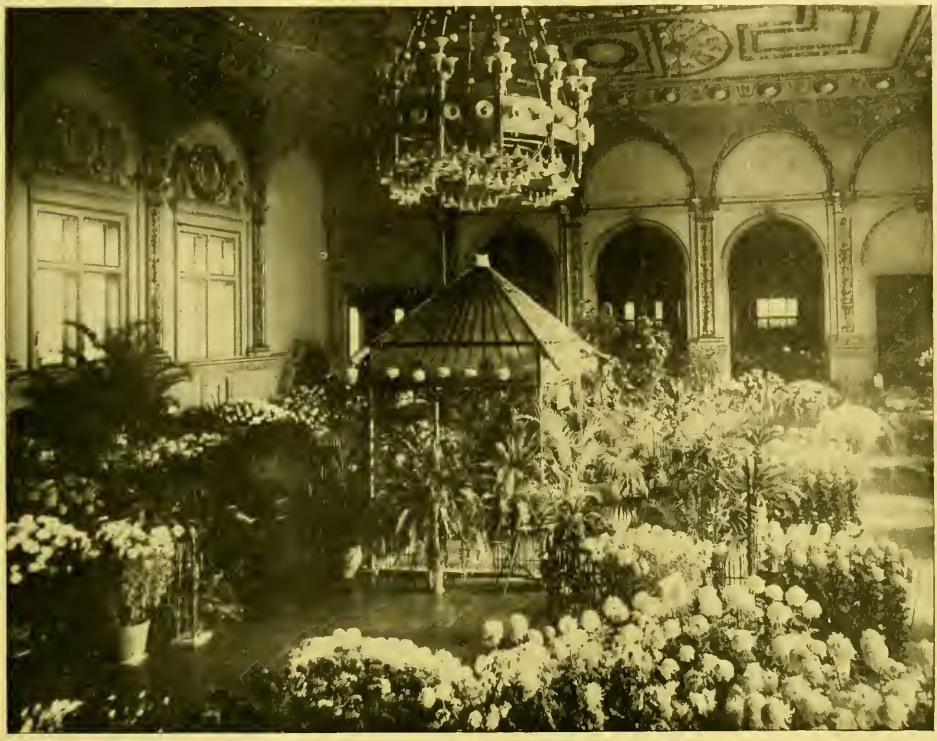
John B. Rudy, gardener for Hon. J. S. Fassett, took the majority of the premiums with a splendid collection of large, heavy blooms on remarkably strong stems four to six feet long. His collection was the wonder of all visitors. Six seedlings were entered for the Board of Trade silver cup, the best of them being a pure white, quilled variety with excellent stem, foliage and petalage, and another that might be called a white Helen Bloodgood with stiff stem and foliage well up to the bloom.

The judges, Geo. E. Fancourt and N. L. Moon, of Carbondale, made the following awards:

Best seedling, the silver cup, to G. P. Rawson. Twelve varieties, first, J. B. Rudy with Major Bonnaffon, Belle of Castlewood, Modesto, Spotswood, Mrs. Murdock, Lorna Doone, Chempwee, Autumn Glory, Western King, Mrs. H. Weeks, Pennsylvania and Gladys Vanderbilt; second, G. P. Rawson with Chadwick, Eclipse, W. J. Bryan, Major Bonnaffon, Mayflower, Philadelphia, Geo. West, Adelaide White, Red Warrior, H. L. Sunderbruch, Brooklyn and Pres. W. R. Smith. Six varieties, first, J. B. Rudy with Chempwee, Mrs. H. Weeks, Pennsylvania, Lorna Doone, Belle of Castlewood and Western King; second, G. P. Rawson with Chadwick, Eclipse, Pennsylvania, W. J. Bryan, Rustique and Brooklyn. Six white, first, G. P. Rawson with Chadwick; second, J. B. Rudy with Western King. Six yellow, first, G. P. Rawson with Eclipse; second, J. B.



PORTION OF THE PROVIDENCE, R. I., SHOW.



GENERAL VIEW OF THE PHILADELPHIA EXHIBITION.

Rudy with Pennsylvania. Six pink, first, J. B. Rudy with Autumn Glory; second, G. P. Rawson with Maud Dean. Six bronze, first, G. P. Rawson with mixed vase. Six red, first, J. B. Rudy with T. H. Spaulding. Best variety certificated in 1898, first, J. B. Rudy with Rough Rider. Best decorative arrangement, E. M. & H. N. Hoffmann.

W. F. Kasting, of Buffalo, was a welcome visitor as was Mr. Michaels, of Dansville, N. Y. H. H.

Newport, R. I.

The eighth annual exhibition of the Newport Horticultural Society was held November 14 to 16 and Masonic Hall, the largest in the city, proved too small for the many exhibits, but skillful hands did splendid arrangement and the general effect of the show was excellent. No better specimen plants in 12-inch pots were ever seen and the cut blooms were the largest ever shown in Newport. Altogether it is thought that the exhibition was one-half larger than that of last year. Following are the awards:

Group of palms and foliage plants, first, W. Storrs Wells, Andrew Meikle, gardener; second, Mrs. J. M. Fiske, Chas. Stark, gardener; third, J. J. Wysong, J. G. Kyle, gardener.

Group of palms and chrysanthemums, first, W. S. Wells; second, Mrs. Fiske.

Best window plant, Mrs. Robert Patterson; second, John Fletcher.

Specimen chrysanthemum, white, first, Mrs. B. P. Cheney, John Barr, gardener, with Mrs. Weeks.

Specimen yellow, first, Mrs. Cheney with Georgiana Pitcher; second, Wm. Donald, gardener to J. H. Bailey.

Specimen pink, first, Mrs. Cheney with Arethusa; second, Wm. Donald.

Specimen red, first, Wm. Donald with The Bard; second, Mrs. Edw. King, Andrew Ramsay, gardener.

Specimen any other color, first, Mrs. Cheney with Red Warrior; second, Wm. Donald.

Specimen anemone, first, Wm. Donald with Darrah.

Six single-stemmed plants, yellow, first, J. C. Matley with Peter Kay; second, W. S. Wells.

Six single-stemmed pink, first, J. C. Matley with Mrs. Breer.

Specimen chrysanthemum plant, any variety, first, John Fletcher.

Best specimen chrysanthemum plant on exhibition, silver medal, Mrs. Cheney.

Window box of chrysanthemums, first, Mrs. W. S. Wells; second, Paran estate, J. C. Matley, assistant gardener.

Specimen areca, first, Mrs. Fiske; second, W. S. Wells.

Specimen kentia, first, H. McK. Twombly, Alex. Frazer, gardener; second, W. S. Wells.

Specimen any other variety, first, H. McK. Twombly; second, W. S. Wells.

Specimen adiantum, first, J. J. Wysong.

Specimen nephrolepis, first, I. T. Burden, Harry Westley, gardener; second, W. S. Wells.

Specimen any other fern, first, W. S. Wells; second, H. McK. Twombly.

The R. & J. Farquhar prize for best ornamental plant fell to W. S. Wells, J. W. Ellis second.

Six foliage plants, first, W. S. Wells second, Mrs. Fiske.

Six plants Begonia Rex, first, I. T. Burden; second, E. T. Gerry.

Twenty-five cut chrysanthemums, twenty-five varieties, first, Mrs. Cheney with Pennsylvania, Zurlinda, Peter Kay, Mrs. H. Weeks, W. H. Lincoln, Mrs. O. P. Bassett, Mrs. Majer, Chas. Noolbin, Lady Hanham, Rustique, Viviand-Morel, John Shrimpton, Ada LeRoy, Mrs. Jerome Jones, Thornden, Eureka, Eclipse, Maud Dean, W. H. Chadwick, Inter Ocean, Marguerite Jeffords, Mrs. Potter Palmer, Shenandoah, Mrs. R. Carey and Eugene Dailledouze.

Twelve blooms, first, Mrs. Cheney with Wm. H. Chadwick, Pennsylvania, Mrs. Potter Palmer, Rustique, W. H. Lincoln, Mrs. Peabody, Maud Dean, Marguerite Jeffords, Shenandoah, Mrs. Martin, Golden Wedding and Inter Ocean; second, Mrs. Astor, Jas. Boyd, gardener.

Six blooms, incurved, first, Mrs. Cheney with Marguerite Jeffords, Maud Dean, Eureka, Ada LeRoy, Mrs. Jerome Jones and Peter Kay; second, Mrs. Astor.

Ten blooms, red, first, Mrs. Cheney with John Shrimpton; second, H. McK. Twombly.

Ten blooms, white, first, Mrs. Astor with Mutual Friend.

Ten blooms, yellow, first, Mrs. Astor with Jeannie Falconer.

Ten blooms, pink, first, John Allen with Viviand-Morel; second, Mrs. Cheney; third, Mrs. Astor.

Ten blooms, any other color, first, Mrs. Astor with Mrs. Jerome Jones.

Vase of a tested seedling chrysanthemum, a silver medal awarded to Alex. MacLellan for Victoria, a cream white.

Vase of twelve blooms grown outside up to formation of buds, first, H. McK. Twombly; second, J. W. Ellis; third, W. S. Wells.

Six blooms, grown outside, first, J. W. Ellis; second, W. S. Wells.

Six blooms, distinct varieties, first, John Fletcher.

Six blooms, three varieties, first, John Fletcher.

Table basket of chrysanthemums, first, W. S. Wells; second, John Allan; third, I. T. Burden.

Fancy basket, other flowers than chrysanthemums, first, W. S. Wells; second, J. J. Wysong; third, Mrs. Edw. King.

Twelve blooms, American Beauty, first, Elbridge T. Gerry, Arthur Griffin, gardener; second, Mrs. Robert Goelet, Collin Robertson, gardener.

Twenty-five pink roses, first, Elbridge T. Gerry.

Fifty violets, first, Mrs. Goelet; second, E. T. Gerry.

There was also a good display of fruits and vegetables.

Certificates of merit were awarded to E. T. Gerry for a new form of Begonia Gloire de Lorraine, to J. W. Ellis for Gen. Joubert chrysanthemum and for a nepenthes, to F. W. Adams for two plants of Begonia Gloire de Lorraine and to the Geo. A. Weaver Co. for a display of garden requisites.

Gratuities went to Wm. Donald for a new red chrysanthemum, to Jos. Garthley for two specimen chrysanthemums and to Peter Byrnes, of the Homogansett Greenhouses, for a collection of carnations.

A silver medal was given T. M. Davis, Frank Brunton, for collection of fifty varieties of ferns and a bronze medal went to Jas. Garthley for a collection of twenty-three varieties of geraniums.

Orange, N. J.

It was a very pretty little show that the New Jersey Floricultural Society put up last Wednesday, creditable to the exhibitors and pleasing to the visitors. The specimen plants from Peter Duff, gardener to John Crosby Brown, were as good as they make them, and included such varieties as Pink Ivory, Lincoln, Puritan, Radiance and the lovely anemone, Garza, which attracted more admiration than any other feature of the exhibition. Decorative groups of special excellence were shown by Popken & Collins, George Smith, gardener to Sydney Colgate, and D. Kindsgrab, gardener to Wm. Runkle, and Malcom MacRorie, gardener to Dr. Mandeville, contributed some fine specimen palms. Other noticeable exhibits were crotons from J. Hayes, gardener to O. D. Munn, single stem and bloom chrysanthemums from Peter Duff, Cattleya labiata from Geo. Von Qualen, gardener to Mrs. T. C. Barr, begonias, etc., from J. B. Davis, and a group of cypripediums from W. A. Manda.

In the cut flower classes there were some splendid blooms shown by M. MacRorie and George Smith, out-door varieties by J. N. May, violets by Robert McInnis, gardener to B. O. Chisholm, and Liberty rose by Ernst Asmus.

A brief meeting of the society was held in the exhibition hall in the evening and addresses were made by Wm. Duckham, Dr. Kitchen, J. I. Donlan and Wm. J. Stewart. It was announced by Mr. Donlan that at the next meeting he would give a demonstration of the art of arranging flowers, with examples of ancient and modern floral work. Then the boys adjourned to the bowling alley, where the demonstration of Orange hospitality with ancient and modern trimmings, proved so irresistible that the flight of time was the thing least noticed, and the departure of last trains the thing least cared about.

SPRINGFIELD, MASS.—It is proposed to merge the Hampden Horticultural Society and the Amateur Horticultural Society under the name of Springfield Horticultural Society and to hold a few very good exhibitions rather than the many of only ordinary worth.



CHRYSANTHEMUM ARETHUSA, GROWN BY WILLIAM DONALD.

CHRYSANTHEMUMS.

A NEW VARIETY.

Chrysanthemum Walter Molatsch is an early yellow originating with Henry A. Molatsch, of Brooklyn, N. Y. Its period of blooming is in October and the variety is most easily described as an early Wm. H. Lincoln. It is of good size, full center, an excellent keeper and will stand an unusual amount of rough treatment, the petals not scalding easily, having a firm hold and being so tough that they are not easily bruised. In habit the plant is dwarf, growing about three feet high, the stem is thick and stiff and the foliage all that can be desired.

THE SUCCESS OF WILLIAM DONALD.

We present herewith reproductions of photographs of three chrysanthemum plants grown by William Donald, gardener to J. H. Bailey, and staged at the exhibition of the Massachusetts Horticultural Society at Horticultural Hall, Boston, November 7 to 11. These plants, Arethusa, The Bard and Golden Trophy, were shown in a group of twelve varieties, the remaining sorts, Ivory, John Shrimpton, Mutual Friend, Golden Gate, Major Bonnaffon, Garza, Miss A. L. Dalskov, Black Hawk and Iora, being no less meritorius. All were in 12-inch pots, were trained to about as near perfection as it is possible to attain and bore an unusual number of blooms, the specimen of The Bard carrying no less than 340 flowers.

WORK OF THE COMMITTEES.

Philadelphia, November 11.—John N. May, Summit, N. J., exhibited E. No. 5, a white Japanese, incurved variety, scoring commercial scale 84, exhibition scale 81 points. The following three varieties were exhibited by Nathan Smith & Son, Adrian, Mich.: Orizaba, a pink Japanese, incurved, scoring commercial scale 86, exhibition scale 84 points. Nesota, a yellow Japanese, reflexed variety scoring commercial scale 83, exhibition scale 88 points. No. 72, a bronze Japanese, reflexed variety scoring 83 points on each scale.

New York, November 18.—John N. May exhibited Eulalie, a Japanese anemone, white with lemon center, which scored exhibition scale 85 points.

Philadelphia, November 18.— Eulalie, exhibited by Mr. May, scored commercial scale 87, exhibition scale 89 points. Col. D. Appleton, a Japanese incurved, yellow, exhibited by John Marshall, Purchase, N. Y., scored 91 points on each scale. Robert G. Carey, Chestnut Hill, Pa., exhibited Chestnut Hill, a yellow Japanese incurved, which scored commercial scale 90, exhibition scale 88 points.

ELMER D. SMITH, Sec'y.

CHRYSANTHEMUM SOCIETY COMMITTEES.

The committees judging seedling chrysanthemums will be in session each Saturday up to and including November 25. Exhibitors should make their entries, for which a fee of $2 is charged for each variety entered, to the secretary not later than Tuesday of the week they are to be shown. All exhibits forwarded to the following addresses, express charges prepaid, will receive careful consideration:

Boston, Mass., A. H. Fewkes, Horticultural Hall, Tremont street.

New York, N. Y., E. Dailledouze, care New York Cut Flower Co., 119 West Twenty-third street.



CHRYSANTHEMUM GOLDEN TROPHY, GROWN BY WILLIAM DONALD.

Philadelphia, Pa., A. B. Cartledge, 1514 Chestnut street.

Cincinnati, O., A. Witterstaetter, care Cincinnati Cut Flower Co., Fourth and Walnut streets.

Chicago, Ill., C. W. Johnson, care Illinois Cut Flower Co., 51 Wabash avenue. ELMER D. SMITH, Sec'y.

UNDEVELOPED BUDS.

EDITOR AM. FLORIST:—I enclose samples of some of my chrysanthemum buds to see if you can tell me what the trouble is. All of my Frank Hardy are affected like this and a part of the Major Bonnaffon. The first buds were picked off to see if later ones would not develop but there was no improvement. A good many of my chrysanthemums this year have a large disk that spoils the flower, particularly Mrs. E. G. Hill and Wm. Falconer. Is it a disease of the plant or the result of the treatment? Would you propagate from these plants? H. H. C.

The specimens arrived in such a withered state that it is almost unsafe to pass an opinion on them, but as near as I can tell the trouble lies in the ingredients in the soil or in the injudicious application of liquid manure about the time the buds were forming. Could we depend on cool and not too bright weather at this critical period, insuring that the plants absorb the stimulant gradually, our troubles would be considerably less, but our experiences with hot weather just at this time have taught us to be careful. The variety Frank Hardy needs careful watching in this respect, but as to Major Bonnaffon acting that way, there must be something radically wrong with the soil or treatment, as this variety is generally easily handled. Referring to the varieties Mrs. E. G. Hill and Wm. Falconer showing the disk, the former was always a very full flower here, but the latter is a little thin in the center and will open up if not well done; then again, some of the most solid blooms, when the bud has been taken too early, will form a hard center which it is impossible to develop properly. As to the advisability of propagating from these plants, I should say that if other stock can be obtained it will be better to use it but if not I would advise giving the stools a different soil with not sufficient fertilizer to cause a soft growth. C. W. JOHNSON.

CARNATIONS.

COMPARATIVE MERITS OF RED VARIETIES.

Next in importance to the absence of a satisfactory white carnation comes the need of a thoroughly good scarlet, long and strong of stem, of good size, a free bloomer and of good constitution. Jubilee promised to fulfill these requirements but falls a trifle short on the point of freedom of bloom, and aside from this is neither an early nor a late carnation. Its period is from December 1 to April 15. It will produce blooms in October and November, but they do not have the finish of the later product, and as soon as we get our warm weather in the spring they begin to deteriorate. On the other hand, I have seen Jubilee that were far ahead of the newer claimants, and the plants produced enough first-class blooms to have paid at $3 per hundred. I doubt very much if the variety has any competitors that can be grown at a lower price.

The money question is the making or unmaking of a variety. If as much money can be obtained for ten or fifteen flowers of high quality as twenty or thirty of a lower grade the grower will stick to the finest, but if his high quality flowers do not bring as much as the greater quantity he will grow the cheaper grade. If a commission house had offered $4 per hundred for Jubilee from December 1 to April 15, I would have jumped at the proposition and planted one-half of my place to the variety and grown it up to their standard. As it is I have not one plant of Jubilee on the place and am looking for a scarlet which will produce a good flower in sufficient abundance to sell for from $1.50 to $2 per hundred. But Jubilee is a good one to grow where quality counts and the grower wants to hold on to it until he is sure that he has something to surpass it.

G. H. Crane and America were given to us last season as being a nearer approach to the ideal red or scarlet. How near they will reach the ideal is yet an open question. One grower favors one and the next the other, with Crane a trifle ahead at this date, owing to the fact that it produces better early flowers than does America. Whether or not this will continue throughout the season has yet to be determined. America is going to give me its best flowers during about the same period that Jubilee does but it promises to yield fully twice as many. Crane also looks as if it would produce about twice the number of blooms per plant that can be obtained from Jubilee but this will also have to be determined by later developments.



CHRYSANTHEMUM THE BARD, GROWN BY WILLIAM DONALD.

There are five or more sports from Tidal Wave which are claimants in this class and possibly they vary from each other in the matter of shade or some other slight characteristic as well as in name. I have tried but one and have never seen the others growing. My trial was not a success on account of a severe attack of red spider following a dry summer, but the variety gave good promise and does so again this season.

It looks as if we might have a case of duplication of names in these sports and the only way it can be determined would be to have all of them shown side by side at the exhibition of the American Carnation Society. Grow them to perfection and let us see them in all their glory next February.

It is a great pity there cannot be more real business instilled among us florists, both as growers and sellers. If the commission men and the retail store keepers would attend the exhibition of the society and see the flowers and meet the growers there would be one step taken toward a better mutual understanding and each would be financially bettered.

ALBERT M. HERR.

Boston.

TRADE IS BRIGHTER.—GOOD BUSINESS IN PROSPECT.—STATE OF THE MARKET.—HOWARD GROWS GOOD ROSES.—WILL GIVE HIS WHOLE TIME TO HIS NEW INDUSTRY.—COMLEY ENTERTAINS AT DINNER.—A MODEL ESTABLISHMENT.—GOOD PINK SPORT FROM MRS. MORGAN.—VISITORS.

A slight improvement in business and corresponding advance in prices of flowers is noted but these are days of hope and the firmer market is gratifying more as an indication of what is coming than as a present factor. Chrysanthemums are well depleted and their power for mischief, in case of cold weather, is about gone. Violets might be much better than they are without being extra good even then. They remind one of the old type of violets so closely associated with this neighborhood until within a very few years. Bulbous stock is as yet confined to Paper White narcissi and Roman hyacinths, the former having become sufficiently plentiful to drop from four to two dollars a hundred and the latter holding fairly firm at two dollars. Carnations are having no trouble, if good, and roses show a decided improvement in values of the higher grades.

Roses of the genuine Waban type are being grown at J. W. Howard's new place in Woburn. The houses were built one year ago and the roses are grafted stock now in their second year. The grower in charge is Christian Johnson, who was formerly with Mr. Montgomery at Waban Conservatories, and in combination with a grand rose soil, he is making a rare record. Carnations are also doing finely. This range, consisting of about 15,000 square feet, is located on a recently acquired farm in Woburn and together with the older establishment at Winter Hill gives Mr. Howard an extensive business to which he will, after December 1, give undivided attention, as on that date he leaves W. W. Rawson's seed store, in Boston, where he has had charge of one of the departments for seven years. Mr. Howard has a host of friends who will be glad to see him make this move, which cannot fail to bring him excellent results.

James Comley entertained a few of his old associates at his home in Oakmont, Lexington, on Tuesday afternoon, this being probably the last time they will visit him there as the house on his new place is about ready for occupancy and he will soon move into it. A very happy time was spent by the visitors although the occasion was rather sadly reminiscent of many happy events that all had participated in on the old Hayes estate. After dinner the party inspected Mr. Comley's greenhouses and were favorably impressed with his violets, carnations and other stock now in evidence and the facilities for doing a nice business there. Many sincere wishes for future prosperity were expressed.

Robert Montgomery's light pink sport from Mrs. Pierpont Morgan rose is greatly admired and his friends think he has struck a winner. The color is much superior to that of Mme. Cusin.

Recent visitors: Theron Parker, Brooklyn, N. Y.; Robert Craig and Paul Berkowitz, Philadelphia.



CHRYSANTHEMUM WALTER MOLATSCH.

Philadelphia.

PRICES STEP UPON THE CHRISTMAS LADDER.—STOCK SHORT IN MANY LINES.—CHRYSANTHEMUMS ON THE WANE.—BOSTON FERN WANTED IN SMALL SIZES.—BEGONIA GLOIRE DE LORRAINE MAKES A HIT.—CRAIG'S OBSERVATIONS ON ADVERTISING PLANTS IN STREET CARS.

Prices have taken a brace, gone a step higher; the first rung of the Christmas ladder has been mounted, so that by easy stages, step by step, the top notch of the holiday prices will be reached. Teas are now $5 to $6 for the best, with a few extra Meteors at $8. Beauties have jumped 25 cents per foot of stem per dozen, the prices for twelve-inch stems being $1.25, twenty-four-inch $2.50, and three to three and one-half-foot stems $3 50 to $4.00 per dozen. Liberty is much in demand, as its brilliant color, even after being kept three to four days, finds it many admirers. Carnations are now coming in nicely; $1.50 is the price for good stock and a few extras are bringing $2. Violets are very scarce and it takes a hustle every morning to get even a few bunches. Doubles are now $1 per hundred and good Californias 50 cents. Mignonette is plentiful at $2 to $3. Romans are quite common at $3. Lily of the valley is in good supply at from $3 to $5. Cypripediums are $15 per hundred; cattleyas $5 per dozen, and scarcely any in this market. Chrysanthemums are on the wane but there are still a good many about at from $1 to $2 per dozen. James Cole has still a fine lot of plants in pots which will no doubt all go at Thanksgiving. There does not seem to have been so much demand for pot plants this fall. There is a good inquiry for Boston ferns that can be retailed at $5, but they seem to be in poor supply; $8 to $10 plants are very beautiful, but so also are the bills, and it takes something a trifle better to induce the exchange. Besides there are many more houses that will accommodate the medium-sized plants. Adiantum rhodophyllum is coming into general use for fern dishes, and will become a standard sort for this work, as it seems to last as well as the hardy pterises, and is as pretty as Farleyense, in fact it is supposed to be young plants of this famous variety.

Begonia Gloire de Lorraine is capturing the flower-loving public; they step right up and pay $4 for a plant in a 6-inch pot without a murmur. We think this breaks the record for blooming plants; a

6-inch cyclamen is well sold at $2, and this is probably the nearest competitor.

Robert Craig notices that rubber plants are being advertised in the street cars alongside of carpets, wall paper, etc. He thinks this opens up a new era for the plant business, as it is an indication that they are considered just as essential to the furnishings of the house as are carpets for the floor and paper on the wall. There are more rubbers grown now than ever and yet there are not enough and so Mr. Craig thinks the demand will grow until every person of moderate means will indulge in the luxury of a few plants.

Visitors in town: Julius Roehrs, Carlton Hill, N. J.; Chas. Feast, Baltimore; Chas. Allen, Queens, L. I.

New York.

A QUIET WEEK IN GOTHAM.—CONVENTION PLANS MEET WITH APPROVAL.—CONSIGNOR AND CONSIGNEE ARE WARY.—VIOLETS FAIL TO LEAP IN PRICE.—VARIOUS JOTTINGS.

On the surface not much of interest appears excepting the talk about the forthcoming convention and comment on the club's action at its last meeting. General approval of the plans, and especially of the selections made for officers to serve during the coming year, is heard, and no one can doubt that there will be a harmonious and enthusiastic prosecution of the preliminary work from now on.

Up-town not much is said, but there is plenty of scheming going on between "foxy" consignors and equally "foxy" wholesalers, for this is the time of year when it is "dangerous to feel safe," and no one knows what the morrow may develop. Now is the season when the Madison rose grower stands with railroad time table in hand and eye on the ticker, watching for the advent of a new man in the commission business or for symptoms of weakening grit on the part of an old one. And there'll be no peace now till after the new year.

The horse show is over and with it goes the hope of raising the price of violets to the old-fashioned figure. It is better in the long run for the violet that it has not overstepped the bounds of moderation on this occasion. As to quality there should be an improvement soon.

Carnations sell well when up to the mark in quality, colored varieties having the best of it for the present, and with prospects of maintaining the lead till after Thanksgiving.

It is announced that the Eastern New York Horticultural Society will hold its annual meeting next February at the American Institute rooms. That means fruits and vegetables.

Visitors in town: Wm. Griffin and daughter, Lenox, Mass.

Chicago.

BUSINESS BRISKS IN FINE FASHION.—SHORTAGE OF ROSES.—PRICES UP TO HOLIDAY LEVEL.—ROSE MEN WANT THE SUN.—FAIR SUPPLIES OF CARNATIONS AND CHRYSANTHEMUMS.—A GROWER QUITS.—WITTBOLD'S PROSPERITY.—FRIENDS AT M'KELLAR'S AND OTHER JOTTINGS.

Trade is good. One may journey up and down this market without hearing a complaint unless it be upon the scarcity of roses. There has been no oversupply of flowers at any time since the unseasonably hot weather took its departure and business has been brisk ever since show week. On Friday, November 11, trade received a fresh impetus and has not lost its momentum, with no signs of a let-up until after Thanksgiving if one comes before the new year. The week has seen some good stock in all lines. There is a shortage of roses of every kind, the plants being off-crop and the weather cold and cloudy. Carnations are sufficient to meet present demands. Chrysanthemums are past their heaviest and are in excellent local demand, although the prices are generally low; $5 a dozen has been touched once or twice this season, but from 10 cents to 25 cents per bloom is the prevailing rate. Violets are scarce, at least good ones are, and $1.50 to $2 is the usual charge. Greens are active and $2 per thousand is now asked for ferns. Prices this week have been on the level of the Thanksgiving list of last year and those who wish flowers for the day of feasting and football will find the wholesale rates fully one-third higher than a year ago. There seems every indication of heavy buying for Thanksgiving and the prospect of a general shortage of stock is causing many wholesalers to write their regular customers to place orders as early as possible, advising them that they believe that it will be impossible to fill late orders in full. There is little chance for pickled stock this time as prices for the past week have been so good that the growers could gain nothing by holding back their cut.

As an indication of what the rose growers expect of the supply next week it may be cited that one of them on Thursday refused an order for eight dozen American Beauties at $6 a dozen for Monday delivery, and Monday is not Wednesday or Thursday by any means.

Several shippers have received complaints as to the quality of carnations. The out of town buyers do not seem to realize that it is only within the last two or three weeks that really first-class carnations have been obtainable in quantity.

Louis Lindenberg, a grower at Niles Center, has abandoned his six houses and their contents to his creditors. He has been making no money for some time and his stock was in poor shape. F. Stielow and others have taken attachments to secure their claims.

Geo. Wittbold is doing a big business in which the manufacture of perpetuated palms has grown to be no small item. They are bought largely for use in stores and other places where natural stock would not long survive.

A number of the friends of Mr. and Mrs. C. W. McKellar dropped in upon them the other evening and a merry session followed. In the party were Messrs. and Mesdames Balluff, Kissell, Kohlburger, Winterson and Taylor and Messrs. Hamilton and Larson.

Ernest Marland, recently with the Chicago Carnation Co. at Joliet, has accepted a position as assistant gardener at the summer residence of Mrs. S. W. Allerton at Lake Geneva, Wis.

Reinberg Bros. are getting a pretty fair cut of roses and their carnation cut is gaining right along. The new sorts on trial continue to please them.

Paul Kreismann has incorporated his business as the Morton Grove Greenhouses with capital stock of $10,000.

Amling is getting some very good violets and his carnations from Richmond are all right.

Wietor Bros. are selling a number of pot grown carnations as flowering plants.

McKellar & Winterson are making up greens in considerable quantities.

Mrs. P. J. Hauswirth has fully recovered from her recent severe illness.

Budlong is moving his big line of chrysanthemums without difficulty.

Randall is getting some good Beauties from Bowmanville.

There will be a few Harrisii lilies for Thanksgiving.

Kennicotts report trade unprecedentedly good.

There is an air of satisfaction at E. H. Hunt's.

Visitors: John N. May, Summit, N. J. E. G. Hill, Richmond, Ind.

Baltimore.

POOR ATTENDANCE AT THE SHOW.—SOME EXCELLENT WORK WITH CHRYSANTHEMUMS.—A NEW RETAIL STORE.—BURGER VISITS NEW YORK.

The most enthusiastic must feel that our annual show is an expensive luxury for, whatever the cause, the fact that the attendance was small is undeniable. Robt. Graham decorated one table with a mound of fine Dailledouze chrysanthemums on Wednesday and Perry & Welch decorated another in much the same style. The mantel decorated by the last named gentlemen was also a very pretty and tasteful piece of work. Fred Burger had, for the original design, a huge "Fleur de lis" four feet long by three wide. The whole of the center and two leaves were bordered with Ivory and the broad spaces filled in with Bonnaffon. The hand was of Mrs. Perrin. It was altogether a very attractive and well gotten up piece, the coloring producing a very pleasing effect.

Geo. Siddons has opened a very showy store at 516 Pennsylvania avenue, in addition to his Myrtle avenue store.

F. G. Burger made a visit to New York during the week. MACK.

Doings at Philadelphia.

Myers & Co. are putting in a new heater for Jacob Becker, at Fifty-fourth and Market streets.

Philadelphia is to have a spring show, a recurrence to the practice of years gone by which will be welcome to those having good things to show the public at that season.

Paul Huebner, landscape gardener for the Reading Railway Company, will be the essayist at the December meeting of the Florists' Club. Economical planting for railroad companies and the benefits of same will be the subject. Mr. Huebner is original. His remarks will be worth listening to.

Those who have anything new in the carnation line will do well to exhibit at the Florists' Club meeting Tuesday, January 2, on which date Albert M. Herr will review the carnations of the season.

Albert Woltemate has built a new show room back of his main store for the display of foliage and flowering plants.

Robert Kilt reports many orders for his new patent flower holders. Have you seen them? Very simple, ingenious and useful. Pennock, Battles, Craig, Habermehl and other prominent retailers here are using them and wonder how they ever got along without them. Orders from New York, Boston and Baltimore are appearing and this handy device bids fair to soon become a staple. G. C. W.

DELAVAN, WIS.—F. T. Manahan, has added a third fifty-foot house to his place.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate, $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Cover spece sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE holly situation is no better than stated in our last issue; fine stock is none too plentiful and some groves show worm eaten leaves.

IT sometimes occurs that the larger one's place becomes the more lax are the cultural methods. Do not permit this to be true in your case.

A SILVER medal was awarded to Edwin Lonsdale by the Pennsylvania Horticultural Society for a variety of Begonia Gloire de Lorraine with very delicate pink flowers.

GEORGE C. WATSON has accepted an invitation to prepare a paper to be read before the Southampton Farmers' Club in January next upon: "Mushrooms; an easy and profitable crop to grow."

CONDITIONS recently prevailing in the principal markets have furnished additional evidence that the production of strictly first grade stock can at all times be counted on to pay the highest profit.

WE beg to acknowledge with thanks the receipt of a copy of "The Florists' Manual," by Wm. Scott. The book contains a large variety of information useful to florists, set forth in Mr. Scott's well known style.

THE green market continues easy; while picking has generally slackened off, many odd lots in back counties are being heard from and just how much more than enough material there will be to go around we shall know later.

LOOK out for a change in the temperature. The past month of mild weather has been very convenient for the shipment of all perishable stocks of plants and bulbs with no sign of zero dangers, but such a condition is overdue and shippers are taking big risks who use freight routes after this date.

GROWERS of chrysanthemums should remember that the Chrysanthemum Society of America offers a silver cup valued at $20 for the seedling which averages the highest number of points. To be eligible the seedling must be shown before at least three committees, and from their scoring an average will be made.

GEORGE GIBBS writes from Orcas, Wash., that he has recently located several thousand acres of what he considers the richest bulb land in the state. It is moisture holding but does not flood in winter and he believes it in every way capable of producing bulbs equal to the 400 tulips and hyacinths which he has sent to C. J. Strombach, Lincoln Park, Chicago, to be tested.

WITH the hope that every one has as abundant reason for observing Thanksgiving, Thursday, November 30, as has the AMERICAN FLORIST, we wish to request advertisers and correspondents to mail matter intended for next week's issue one day earlier than usual, that it may reach this office on Wednesday.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Alexander MacLellan registers Chrysanthemum Victoria, a Japanese incurved, color between lemon and straw, foliage almost identical with the parent, Mrs. George M. Pullman. Chrysanthemum Gen. Joubert, a Japanese incurved of large size, color darker than Mrs. Geo. Magee.

WM. J. STEWART, Sec'y.

American Carnation Society.

Sewall Fisher, of Framingham, Mass., registers Saxon, a seedling of 1896, fifth cross of Florence and a scarlet Marguerite; bright vermilion scarlet, flower two to two and one-half inches in diameter, good stem, deeply fringed, fragrant. Plant healthy, full standard height, blooms in succession from October.

ALBERT M. HERR, Sec'y.

Greenhouse Building.

Gloucester, Mass.—F. R. Barrington, range of houses.

Millbrook, N. Y.—C. F. Dieterich, one house.

Wyncote, Pa.—Joseph Heacock, house 24x140.

New Castle, Ind.—South Park Floral Co., three houses 25x135, five houses 25x265.

Syracuse, N. Y.—F. G. Lee, one house.

North Beverly, Mass.—G. W. Glines, vegetable house 36x270, one 38x335.

New Haven, Conn.—Gustav Ginter, three houses.

Exeter, N. H.—A. H. Craig, range of houses.

Whitman, Mass.—Robt. E. Moir, two houses.

New Durham, N. J.—Daly Bros., house 28x80.

Ocean City, N. J.—T. J. Thorn, addition 18x20.

Diseased Callas.

ED. AM. FLORIST:—Under a separate cover we are sending you a calla which you will notice has decayed considerably at the top of the tuber. About September 15 we potted 750 such roots in 5-inch and 6-inch pots, using a good soil. The plants were kept in a night temperature of not less than 52° and they have not been given too much water. When the plants had filled the pots with roots cow manure in liquid form was applied. About 150 of the tubers have decayed like the sample. Can you suggest a remedy? L. G. F. C.

Your calla appears to be affected with a bacterial disease closely related to one which attacks hyacinths and often causes serious trouble. The disease attacks the upper part of the tuber, which begins to decay, as well as the rootlets leading from it and also the bases of the leaves. The only remedial measure that we can suggest is to exercise care in watering so that the ground may be kept dry as possible consistent with good growth. The diseased plants should be destroyed, but in case the diseased area is limited it might be cut out. It is possible that the application of liquid manure to the callas in question may have aided in the spread of the disease. B. T. GALLOWAY.

What's in a Name?

Last night I was reading an interesting article, by G. C. Watson, in the AMERICAN FLORIST on the importance of plant names, and noticed a reference to Peter Henderson & Co. having called the Caryopteris Mastacanthus the "Mustache plant." Until this mention I did not know the name was in the catalogue, but I find that it is, in the seed portion, but the Japanese, I believe, use that cognomen and so it is not original.

I was quite interested in E. G. Hill & Co.'s response and particularly their mention of Fuchsia Storm King. It always appeared to me that the name was not the strength that developed the wonderful sale for that plant. Perhaps it will be remembered the "taffy" that went with the advertisement, leaving out the impossible picture. The text went on to say that the flowers were as large as teacups, and while there may be teacups in the neighborhood of Central Park East that would be about the size of a well grown fuchsia flower, yet the average country woman does not associate a teacup with a little thimble affair; and then again, if my recollection serves me well, the text went on still further to say that three plants, or at all events some very small number of plants, cost the advertiser $1,000. There were many other points covered in the advertisement that would be liable to lead on a buyer and so, to my mind, the name was always the smallest part of the affair. As a matter of fact, I think the name "Storm King" would be more appropriate for a ship, either air or water, and does not, after all, really convey the idea of whiteness. It seems to me it would be more appropriate when applied to a hardy rose, for instance, than to any tender plant. Old Storm King, up the Hudson, was appropriately named because it is situated to feel the first brunt of the northern blasts and acts as a shelter for the lower highlands.

I noticed also that Robert Scott & Son speak of the name "White Swan" for Geranium La Cygne and this reminds me that the first great attack of the nomenclature committee was made because the late Peter Henderson offered Boule de Neige rose as "Ball of Snow," simply a literal translation like this.

One of the best efforts Mr. Childs ever made, in my opinion, was when he called Rubus Phœnicolasius the "Wineberry;" that always seemed to me to be a sort of stroke of genius. Of course, there was some "taffy" in the advertisment of that also, about two or three plants having cost $1,000, and being the sole possessor of the great wonder, when, as a matter of fact, the old thing had been refused admittance to many a garden before he ever saw it. You can imagine what success there would be in offering it for sale as a fruit under that frightful name! I always thought that Elæagnus longipes missed a brilliant place largely because no one gave it a popular name. Once when at Mr. Falconer's, he asked me to sample some jelly made from it, which I thought was very fine, and I said to him then, "Just imagine anybody at the table asking his neighbor to please pass the Elæagnus longipes jelly!" Why, lots of people would think it was some kind of medicine!

I always thought the name "Golden Wedding" for the chrysanthemum was a happy thought. I remember distinctly the fine vase of it that was on exhibition at Madison Square Garden, bearing a fancy card with gold letters giving the

name, "Golden Wedding," and nearly every woman who came along was attracted by the name immediately, and, by the way, let me say right here that women should not be forgotten in plant nomenclature, because they constitute probably seventy-five per cent of the buyers of plants.

Another very happy and appropriate name is the "Memorial Rose" applied to Rosa Wichuraiana, credit for which is due to Chas. Henderson. The application of that name to the rose in question resulted in selling thousands where hundreds had been sold; besides it directed attention to the species and as a result hybridizers have developed it wonderfully. PATRICK O'MARA.

Trade Nomenclature.

It would appear that in naming flowers and vegetables less attention has been paid to the vital point of brevity and the somewhat less important item of euphony, than with any other horticultural product. Florists often forget that names are to be considered in the light of conveniences and should be used primarily to distinguish one plant from another. Names are not meant to describe or characterize a plant; but if this is possible within reasonable limits, of course it is desirable, but any attempt to bring out the characteristic features of a plant in the name is usually a failure from the standpoint of brevity. I suppose more mistakes occur in billing plants by having names of unwieldy length than can be ascribed to any other cause. Think of the wonderful orthographic contortions which the foreign names of roses and pears, for instance, undergo at at the hand of the uninitiated American.

Another feature in connection with the christening of new plants which I think may be justly condemned in this country is the practice of trying to raise into favor a new plant or vegetable by giving it the name of a person prominent in public life. This fault cannot be corrected because it is wide spread and uncontrollable. It will, no doubt, always be repeated to a certain extent, but most people will concede that good taste should dictate a different course. "Deweys" and "Hobsons" are altogether too common in vegetables, fruits and flowers. On the other hand American florists are to be congratulated on leading the reform by the use of short names. French florists still cling to the habit of endeavoring to retain the entire family genealogy when naming a single small plant.

Perhaps I am not sufficiently informed on this point, but I would like to suggest that authoritative bodies, in passing on the merits of new plants, should also pass upon the fitness of the proposed name. This would tend to keep out of the trade some of the lengthy and objectionable appellations which are so commonly found. JOHN CRAIG.

Iowa Agricultural College.

Catalogues and Cut Flower Price Lists Received.

Webster's Nurseries, Centralia, Ill., fruit and ornamental trees; The N. L. Willet Drug Co., Augusta, Ga., garden seeds; E. J. Morton, Tarlton, Tenn., trees and shrubs; Suzuki & Iida, New York, N. Y., dwarfed trees; W. Atlee Burpee, Philadelphia, Pa., garden seeds; C. C. Pollworth Co., Milwaukee, Wis., florists' supplies; H. Henkel, Darmstadt, Germany, seeds; Rudolph Kircher, Wandsbek-Hamburg, Germany, seeds and plants; Herb & Wulle, Naples, Italy, seeds; Vigneron, Orleans, France, roses; Jacques Hasslach, Nimes, France, seeds; Cincinnati Cut Flower Co., Cincinnati, Ohio, cut flowers; Bassett & Washburn, Chicago, Ill, cut flowers and florists' supplies; Kennicott Bros. Co., Chicago, Ill., cut flowers and florists' supplies; E. C. Amling, Chicago, Ill., cut flowers.

Violet Spot.

ED. AM. FLORIST:—Enclosed you will find some spotted violet leaves. You will oblige by giving name of trouble, its cause and remedy. SUBSCRIBER.

Your violet leaves are affected with the well-known spot, which has been shown to be due to a fungus. The only satisfactory treatment for this disease is to keep the plants in as healthy a growing condition as possible. Give them plenty of air at all times, remove all badly diseased leaves and all refuse and burn them at once, cut out the spots from foliage only partially affected, keep the leaves as dry as possible and water overhead sufficiently early to allow the leaves to be perfectly dry before night.

B. T. GALLOWAY.

OBITUARY.

W. L. FISCHER.

William L. Fischer, who was assistant landscape architect of the Boston park system under F. L. Olmsted from 1884 to 1896, died at Forest-Hills, November 20, aged 80 years.

J. M. MADISON.

James M. Madison, formerly in the florist business at Pottsville, Pa., where he has had a range of some 30,000 feet of glass, died at Harrisburg, Pa., on the morning of November 14, after a long illness.

C. A. TIERNAN.

C. A. Tiernan, who has been for thirty-seven years engaged in the florist business in Chelsea, Mass., died on Tuesday, November 21, aged 68 years. He leaves a widow, daughter and son. The latter will carry on the business.

L. H. STAFFORD.

The pioneer florist of the northern peninsular of Michigan, L. H. Stafford, of Marquette, died November 15, after a long illness. He was 49 years of age, an ex-alderman and a member of many fraternal societies. The funeral was in charge of the Masonic order, interment being at Park Cemetery. Mr. Stafford had built up a nice business which will be continued by his widow.

COLDWATER, MICH.—While there are many florists who have other business interests, there are few who, like Van Aken Bros., conduct a big and successful livery stable in connection with the profitable raising of smilax, violets and vegetables.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—Single man with 6 years' experience in greenhouse State wages paid, etc. BEW, care American Florist.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place Address J A T, care American Florist.

SITUATION WANTED—By young man as assistant in greenhouses Experience equivalent to about four years. To begin about Jan 1st. Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—By florist and gardener; married, no children. Well recommended. Private place preferred Address XX, care Vaughan's Seed Store, Chicago.

SITUATION WANTED—Up-to-date decorator and designer, also able to attend to correspondence and bookkeeping References Address EDW. BAYER, care American Florist

SITUATION WANTED—By florist and gardener, 17 years' experience in Europe and America; thoroughly competent to take charge of commercial or private place. P. G PEARSON, Batavia, Ill.

SITUATION WANTED—By young man, age 24, strictly temperate; have had several years' experience in growing cut flowers and plants. $10 per week. Address L B, care American Florist.

SITUATION WANTED—As foreman, capable of taking charge; 10 years experience in commercial places; swede. West of Chicago preferred For further particulars address N N, care Am. Florist

SITUATION WANTED—By a good all-around man, twelve years' experience; could take charge of small place; am good on designs; married, no children. Address FLORIST, 1202 Frye Ave., Peoria, Ill.

SITUATION WANTED—By practical gardener; 25 years' experience in growing plants of every description, fruits and vegetables; married, no family. Best of references. Addr's K D, care Am. Florist.

SITUATION WANTED—By well educated young florist, to take charge of 25,000 to 30,000 sq ft of glass devoted mostly to roses and carnations; well recommended and energetic. South or southeast preferred. Address PROGRESS, care Am. Florist.

SITUATION WANTED—Single, handy all-around man wants full or assistant charge—commercial or private place; understands vegetable, fruit and landscape gardening, all kinds of tools and horses; expert decorator. Best references. W F, care American Florist, Chicago.

SITUATION WANTED—By first-class florist, perfect rose grafter and grower, also in carnations and general stock; 15 years' experience, age 30, German, three years in the country. Eastern or middle states prefered. Good references. Address X, care American Florist, Eastern Office, 67 Bromfield St, Boston.

WANTED—Man accustomed to bedding out, also handy at propagating. L, care Am. Florist.

WANTED—Man to take care of section of rose houses; must be competent to take charge. REINBERG BROS, 51 Wabash Ave., Chicago.

WANTED—Good rose grower, temperate; $20 and board Good chance for raise. ALBERT FUCHS, 20,973 No. Halsted St, Chicago.

WANTED—A good florist to take charge of two greenhouses and do general work Send references. Address JNO R. LAWS, Columbus, Miss.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. J. T. WILLIAMSON, Memphis, Tenn.

WANTED—An assistant rose grower who has had experience in places where first-class stock is produced, Address with references J R, care American Florist.

WANTED—Saleswoman of pleasant address; must be capable and understand house decorating, designs, etc.; good wages. Address ROSE WRIGHT, Spokane, Wash.

FOR SALE—Three greenhouses, 6000 square feet of glass, fine stock, steam heat; splendid locality. Cause, old age. Address HENRY HAEFFNER, 10th and Heaton Sts., Hamilton, Ohio.

FOR SALE—7000 ft glass, well stocked, and 9 room dwelling, all in good order A bargain; other business. L. M. COTTLE, 722 N. 6th St., Oak Park, Ill.

FOR SALE—Who wants a chance to secure a home and a business with but small investment? Dwelling and 4000 ft. of glass; no competition. Good thing. Only $300 required. Address GOOD CHANCE, care American Florist.

WANTED—To correspond with a live florist, with a little ready cash, who would like to get possession of this leading florist business in a progressive Indiana town; 5000 feet glass, paying well Splendid opening for wholesale grower; cheap coal, good soil, city water, manure handy, four railroads. Address J. A. BALMER, Pullman, Wash.

WANTED: To sell or exchange for 4-in. pipe, about 700 ft. 1-in. steam pipe.
Also I want to buy a good second hand No. 17 or 19 Hitchings boiler.
TH. F. VAN DER MEULEN, Dunkirk, N. Y.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

New Haven, Conn.

Local conditions have not changed to any great extent except that violets are not as good, the recent warm weather having set them back with most growers; it is keeping most of them guessing as to how many violets they will have November 25, the day of the big Yale-Princeton football game. Chrysanthemums are pretty nearly all gone, although a few good ones are still to be had. Carnations are very plentiful.

Wholesale Cut Flowers
705 PENN AVE. 'PHONE 2157.

Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. — Chrysanthemums



CONSIGNMENTS SOLICITED.
Florists' Supplies

G. L. HUSCROFT & CO.,
Wholesale Florists,
444 Sixth Ave., PITTSBURG, PA.
Long Distance Phone 2985. CONSIGNMENTS SOLICITED. We command a good market.

Wholesale Flower Markets

CINCINNATI, Nov. 24.

Roses, Beauty, select	25.00@35.00
" " medium	8.00@15.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 5.00
" Perle	3.00
Carnations	1.00@ 1.50
" fancy	2.00
Lily of the Valley	4.00
Violets	.50@ .75
Narcissus	3.00@ 4.00
Chrysanthemums	5.00@12.50
Roman Hyacinths	3.00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.15
Galax Leaves	.15

ST. LOUIS, Nov. 23.

Roses, Beauty	8.00@15.00
" fancy	20.00@30.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 5.00
" Perle, Wootton	2.00@ 4.00
Carnations	1.00@ 2.00
Lily of the valley	2.50@ 3.00
Violets	.60@ .75
Narcissus	4.00
Romans	4.00
Stevias	1.00@ 1.50
Chrysanthemums	5.00@12.50
" fancy	15.00@20.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Nov. 23.

Roses, Beauty, long, per doz.	2.50@ 3.50
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4.00@ 6.00
" Perle	3.00@ 4.00
" Meteor	4.00@ 6.00
" Kaiserin	5.00@ 8.00
Carnations	1.00@ 2.00
Chrysanthemums, ordinary	6.00@10.00
" fancy	15.00@25.00
Adiantum	1.00
Common ferns	.25
Smilax	.75@5.00
Asparagus	50.00

PITTSBURG, Nov. 23.

Roses, Beauty	10.00@40.00
" Bride, Bridesmaid	2.00@ 8.00
" Meteor	4.00@ 8.00
" Kaiserin	2.00@ 8.00
" Perle	2.00@ 4.00
" Cusin	2.00@ 4.00
Carnations	.75@ 2.00
Lily of the valley	3.00@ 4.00
Violets, double	.50@ 1.50
" California	.30@ .50
Chrysanthemums	5.00@20.00
Narcissus Paper White	2.00@ 4.00
Roman Hyacinths	3.00@ 4.00
Smilax	12.00@15.00
Wild Smilax, per case 3.50@6.00	
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	.35
" strings	35 to 50c
Sprengerii, bunches	35 to 75c

ORCHIDS. VALLEY... FERNS.....

TWO TENDENCIES have recently made their appearance in modern commercial life.
Specialization.
Direct dealing.
By specializing and confinining his energies to one or two lines of products, the producer finds that he can put forth a better article than his competitor.
By direct dealing with the producer, the consumer finds he can get a better article at the price of an inferior one.

THE special products of the Rosebank Nurseries are Orchids, Valley and Ferns.
The Orchids are the best in the market, both in point of variety freshness and beauty of bloom. Cattleyas, 50c.; others, 15c. per bloom.
The Valley, of an especially high grade, is offered on yearly contract at $3 per 100; on single orders, at $3.50.
The Ferns (Adiantum), unequalled in freshness, size and strength of fronds, are sold at the regular price of $1 per 100. These special products are sold direct to the retail florist.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS
MRS. THOS. W. LAWSON,
The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.
Commencing February 1st, 1900.

PRICES:
TERMS: Strictly cash or C. O. D. from unknown parties.

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,
PETER FISHER, Ellis, Mass.
Address all correspondence and make all checks, money or express orders payable to
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Wholesale Florists,
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American Florist Company,
324 Dearborn Street, Chicago.

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51 WABASH AVE., CHICAGO.

THANKSGIVING PRICE LIST:

	Per 100.
AM. BEAUTIES, Ex. long	$35.00 to $50.00
" 24-inch	25.00 to 30 00
" 20 "	18.00 to 20.00
" 15 "	12.50 to 15.00
" short	8.00 to 10.00
BRIDES, MAIDS	4.00 to 6.00
METEORS, KAISERINS	5.00 to 8.00
PERLES	3.00 to 5.00
CARNATIONS	2.00 to 2 50
" fancy	3.00 to 6.00
VALLEY	4.00 to 5.00
VIOLETS, double	1.50 to 2.00
" single	1.00 to 1.25

	Per 100.
SMILAX	$12.50 to $20.00
ADIANTUM	.75 to 1.00
ASPARAGUS	50.00
FANCY FERNS, $2.00 per M.	.20
IVY LEAVES	.50
GALAX, $1.25 per M.	.15
WILD SMILAX, No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.00
No. 4 " 35 lbs.	4.00
No. 5 " 40 lbs.	5 50
No. 6 " 50 lbs.	7.00

☞ Prices subject to change without notice. P. AND D. AT COST.

CHRYSANTHEMUMS, $6.00 to $25.00 per 100.

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Successor to Illinois Cut Flower Co.

McKELLAR & WINTERSON,

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CONSIGNMENTS SOLICITED.

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STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS. FULL LINE OF ALL Florists' Supplies

HOLLY and GREEN.

We can meet the quotations of any reputable Western House.

LONG NEEDLE PINES.

2 to 4 ft. long, $4.00 per 100.
Orders filled same day as received.
WILD SMILAX in 50-lb. cases, $1.75 per case.
CUT PALM LEAVES, selected stock, well packed to keep green, $5.00 per 1000.
PALMETTO LEAVES, cured and pressed for prepared Palm purposes. Only need painting. Raw dried leaves for pressing. Fibre.

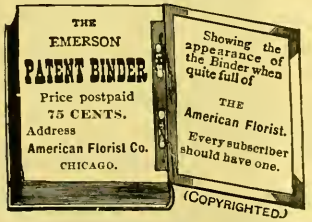
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Consignments Solicited.
Special Attention Given to Shipping Orders.



Say: "Saw it in the FLORIST."

Wholesale Flower Markets

CHICAGO, Nov. 24.

Roses,	Beauty, extra long stems		4.00@6.00
"	" 24 inch	"	3.00@ 4 00
"	" 20 "	"	2.50@3 00
"	" 15 "	"	2.00
"	" 12 "	"	1.50
"	" 8 "	"	1 00
"	Bride		6.00@ 8 00
"	Bridesmaid		6.00@ 8 00
"	Perle		4.00@ 6.00
"	Meteor		6.00@ 8.00
"	Kaiserin		6 00@ 8 00
"	La France		6.00@ 8.00
"	Golden Gate		10 00@12 00
Carnations			2.00@ 3.00
"	fancy		4 00
Violets, double			1.00@ 2 00
"	single		.50@ 1 00
Lily of the Valley			4.00@ 5.00
Cattleyas		per doz.	6 00
Dendrobiums		"	3.00
Chrysanthemums, medium			2.00@ 6.00
"	long		10.00@25 00
Mignonette			1.00@ 2.00
Narcissus			3 00@ 4 00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy Ferns			.20
Smilax			10 00@20.00
Asparagus			50.00@60.00

KUHL, PEKIN, ILL.

now ready to fill orders for
ROSES, CARNATIONS, 'MUMS, SMILAX, FERNS AND ASPARAGUS.
Write him. Get orders IN EARLY for THANKSGIVING.

E. H. Hunt

THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.
Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street. CHICAGO, ILL

Mention the American Florist.

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F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

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AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,
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1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

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COMMENCING OCTOBER 16th. WILL BE OPEN FROM 12:01 A. M. MONDAYS TO 10:00 P. M. SATURDAYS.

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Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per 100. Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

HARDY CUT FERNS



FANCY DAGGER

In 1000 lots, $1 per M. Discount on larger orders. Also dealer in Sphagnum Moss, Bouquet Green. Also wholesale dealer in Christmas Trees and Baled Spruce for cemetery use. Special attention paid to supplying in carload lots.

L. B. BRAGUE, Hinsdale, Mass.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Nov. 22.

Roses, Tea		2.00@ 3.00
" " extra		4.00@ 8.00
" Beauty, extra		30.00@40.00
" " firsts		10.00@15.00
" " seconds		6.00@10.00
Carnations		.75@ 1.50
" fancy		1.00@ 2.00
Lily of the valley		3.00@ 5.00
Asparagus		35.00@50.00
Smilax		15.00@20.00
Adiantum		1.00

BOSTON, Nov. 22.

Roses, Beauty, extra		25.00@40.00
" " medium		10.00@20.00
" " culls		3.00@ 5.00
" Bride, Bridesmaid, Meteor		2.00@ 8.00
Carnations, ordinary		1.00@ 1.50
" fancy		2.00@ 3.00
Lily of the valley		2.00@ 4.00
Violets, single and double		1.00@ 1.50
Romans, Paper White Narcissus		2.00
Chrysanthemums		2.00@ 6.00
" special		8.00@12.00
Smilax		10.00@12.00
Asparagus		50.00
Adiantum		.75@ 1.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

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Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

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Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

: Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

BOSTON FLORISTS' EXCHANGE....

HEADQUARTERS for choice Roses, Violets, Carnations and Chrysanthemums.

Consignments Solicited.....

22 Chapman Place, BOSTON, MASS.

J. M. COHEN, Prop. TELEPHONE 2385

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. 57 W. 28th St., NEW YORK CITY.
rice list on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
.... 30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
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New Telephone No. 1803 Madison Square.
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WALTER F. SHERIDAN,
WHOLESALE FLORIST
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Nov. 22.

Roses, Beauty selects	25.00@35.00
" " medium	8.00@15.00
" " culls	2.00@ 5.00
" Bridesmaid, Bride, Morgan	2.00@ 6.00
" Kaiserin, Meteor	2.00@ 8.00
Carnations	1.00@ 2.00
" fancy	2.00@ 3.00
Lily of the valley	2.00@ 3.00
Violets	1.00@ 1.50
Romans, Paper White Narcissus	1.00@ 2.00
Chrysanthemums	.50@ 6.00
" fancy	12.00@15.00
Cattleyas	35.00@50.00
Smilax	5.00@ 8.00
Asparagus	25.00@35.00
Sprengeri, per doz. bunches	1@1.50
Adiantum	.50@ .75

BUFFALO, Nov. 23.

Roses, Beauty	5.00@40.00
" Bride, Bridesmaid, Meteor	2.00@ 6.00
" Perle, Niphetos	2.00@ 4.00
" Kaiserin	2.00@ 6.00
Carnations, ordinary	.75@ 1.50
" fancies	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Violets	1.00@ 2.00
Chrysanthemums	3.00@15.00
Narcissus Paper white	2.00@ 3.00
Roman Hyacinths	3.00@ 4.00
Harrisii	20.00@25.00
Smilax	10.00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.20
Asparagus	40.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

GREEN GALAX, NEW CROP NOW READY
FINEST BRONZE FROM COLD STORAGE
FOR PRICES ADDRESS THE INTRODUCER,
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower, Ashtabula, Ohio.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply CHRYSANTHEMUMS in best quality and any quantity. VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

NOW
'MUM'S
THE WORD.
ALL SIZES, COLORS, PRICES.
PACKED CAREFULLY.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT McCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED CHICAGO:—L. C. Morse, of C. C. Morse & Co., Santa Clara, Cal., euroute eastward.

SAGINAW, MICH.—The Grenell Seed Co. has secured plans for a new three-story brick building to be erected on the property recently purchased here.

H. W. BRUNS has opened a seed store at 9 So. Halsted street, on what is known as the West Market, Chicago, selling Peter Henderson & Co.'s garden seeds.

CALIFORNIA seed crop prospects are for lighter acreage and better prices next year. Owing to unusually heavy rains the growers are having considerable difficulty in planting onions.

NEWPORT, R. I.—J. J. Butler is convalescing from an eight week's illness with typhoid fever.

HACKENSACK, N. J.—Henry Hughes has leased C. W. Petty's three houses and will use them to increase his carnation cut.

WELLESVILLE, N. Y.—W. C. Ross has repurchased the establishment which he formerly conducted and will continue in the business.

TORONTO, ONT.—Edwin Utley, Canada's pioneer sweet pea specialist, has passed through a long and serious illness with pneumonia and inflammation of the bowels.

BULBS. LOW SPECIAL OFFER. Per 100

SINGLE HYACINTHS, named varieties	$4 80
" " " " colors	3 75
TULIPS, SINGLE EARLY, mixed	.60
" " LATE, "	.70
" DOUBLE EARLY, "	.70
" " LATE, "	.65
" PARROT, mixed	.75
CROCUS, mixed	2.35
NARCISSUS POLYANTHUS, yellow, mixed	1.00
" VON SION	1.30
ANEMONES, single, mixed	.75
" double, "	1.10
OXALIS ROWEII	1.00
" VERSICOLOR	.75
SCILLA SIBERICA	.75
CHINESE LILIES	4 00
FREESIA REFRACTA ALBA, large	.75
LILIUM HARRISII, 5 to 7	3.25
" " 7 to 9	8.00

Order at once. Terms cash. H. L. HOLMES, Harrisburg, Pa.

We Have a Surplus of some varieties of Carrots, Celery, Cucumbers Sweet Corn, Lettuce, Musk-melon, Water-melon, Onions, Radishes, Pumpkin, Squash and Tomato Seeds.
We have large stocks of Red and Alfalfa Clover, Meadow Fescue, Millet and other Grass Seeds. Sorghum, Kaffir, Broom and Field Corn, Sunflower and Tree Seeds. If interested, please correspond with us. KANSAS SEED HOUSE,
F. Barteldes & Co. Lawrence, Kans.

SURPLUS STOCK.
WHITE ROMAN HYACINTHS, 11-12 ctm., per 100, $1.25; per 1000, $11.00.
ITALIAN, shaded white, 12-16 ctm., per 100, $1.75; per 1000, $16 00.
PAPER WHITE NARCISSUS GRANDIFLORA, A1, per 100, $1; per 1000, $7. Cash with order.
HULSEBOSCH BROS., Englewood, N. J.

GRAND NEW LARGE-FLOWERED
Lily of the Valley
"FORTIN VARIETY."
Price and particulars on application.
H. A. BUNYARD,
42 West 28th Street, NEW YORK CITY.

Not too late to plant for EASTER FLOWERING
LILIUM LONGIFLORUM.—To clear out stock we offer at
5x7.....per 100, $2.25. Case of 500.....$10.50 | 7x9.....per 100, $6.00. Case of 300.....$17.00
6x8.....per 100, $4.00. Case of 450.....$15.00 | 9x10.....per 100, 10.00.
JUST RECEIVED, Tuberous Rooted Begonias, extra fine, large bulbs, single, separate, white, rose, red, yellow, orange, doz., 40c; 100, $3; 1000, $25. Double, fine, separate colors, doz., 75c; 100, $5; 1000, $40.
GLOXINIA crassifolia erecta, exceptionally fine, dozen, 50c; 100, $3.00. PLANT EARLY.
ADDRESS H. H. BERGER & CO., ESTABLISHED 1878. 47 Barclay St., New York City.

Ready
Lily of the Valley
PIPS.
Early and Late Forcing.
Spiraea.
Forcing Gladiolus.
PRICE LIST ON APPLICATION.
VAUGHAN'S SEED STORE,
NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

ESTABLISHED 1802
THORBURN'S SEEDS
Chinese Sacred Lilies, splendid large bulbs, $4.00 per basket of 100.
Finest Lily of the Valley Pips.
Send for quotations.
Spiraea Japonica, at $3.00 per 100, $27.00 per 1000.
" " Compacta Multiflora at $4.00 per 100, $38.00 per 1000.
JAPAN LILIUM LONGIFLORUM, 5 to 7 in., at $27.00 per 1000.
J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

ROCKY MOUNTAIN TREE AND FLOWER SEEDS.
We have the true Aquilegia cœrulea.
New wholesale price list of
Florists' Supplies
now ready. ∵ Western Florists will save money by buying in Denver.
Colorado Seed Store,
BARTELDES & CO., DENVER, COLO.

LIL. LONGIFLORUM, Japan, 6 to 8-in., $4 00 per 100.
KENTIA BELMOREANA SEED, Fresh, $4.00 per 1000.
WINDSOR FLOWER SEED CO.,
No. 2 Milwaukee Ave. DETROIT, MICH.

Lily OF THE Valley PIPS
Arrived in prime condition.
This is as good stock as was ever introduced in this market.
They are strong pips and well rooted.
PRICE, $10, $11 and $12 per 1000.
H. N. BRUNS,
690 W. Van Buren St., CHICAGO.


WIBOLTT'S "SNOWBALL."
GENUINE DANISH SEEDS
ONLY DIRECT FROM
R. WIBOLTT, Seed Grower,
NAKSKOV, DENMARK.
SPECIALTIES: Cabbage Ball Head and Cauliflower Wibolti's Snowball.
Awarded highest prize St. Petersburg, May, '99.
LILY OF THE VALLEY PIPS.

DANISH CAULIFLOWER SEED
gives in fact the very best results.
Extra Early DWARF ERFURT
and Earliest DWARF SNOWBALL,
the most profitable two sorts for forcing, true to name and first quality, own home grown seed.
CABBAGE, WINTER, DANISH BALLHEAD,
For prices, samples and further information, address
CARL FRISENETTE, *Seed Grower*,
COPENHAGEN, V.

Perry Watson & Co.
CALIFORNIAN SEED HOUSE
—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Brumus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.
SACRAMENTO CALIFORNIA

Tell them where you saw the ad

For Thanksgiving

We will have a fair supply of all seasonable stock of choice quality. We expect that flowers of all kinds will be in greater demand than for several years and it seems that the visible supply is less than usual.

Orders placed at once will have preference, and we advise all to order as soon as possible. We promise good stock and packing, with careful, prompt and intelligent filling of orders.

STOCK BILLED AT MARKET RATES.

THE PROPORTION OF VALUE TO THE PRICE IS MORE IMPORTANT THAN THE PRICE.

E. C. AMLING,

W. S. HEFFRON, Manager. **51 Wabash Avenue, CHICAGO.**

LAKEVIEW ROSE GARDENS

.....JAMESTOWN, N. Y.....

WHOLESALE GROWERS OF CUT FLOWERS.

WE CAN FILL ALL ORDERS AT SHORT NOTICE.

PANSIES

Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000. Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.

PLANTS. **„PANSIES„** SEEDS.

....THE JENNINGS STRAIN....
Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100 by express, $4.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.
CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

40,000 'MUMS

We are now, and will be during the Chrysanthemum season, marketing the entire cut of one of the largest growers about Chicago, 40,000 first-class flowers, A1 in every respect.

We are exclusively **Rose Growers** and can supply the best qualities, including American Beauty, at all times.

We are also in a position to fill orders for the most popular varieties of **Carnations.**

All orders shipped at market prices within two hours of receipt.

..THE..
VARIETIES.

PINK.
Glory of Pacific,
Maud Dean,
Mrs. E. G. Hill.

YELLOW.
Yellow Queen,
Major Bonnaffon,
Golden Wedding.

WHITE.
Fee du Champsaur,
Mrs. Jerome Jones,
Frank Hardy,
W. H. Chadwick,
Wanamaker,
Mayflower,
Ivory.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

CODLING MOTH is the greatest obstacle to success in apple growing.

NATURAL peach seed is reported scarce but several dealers are offering limited stocks.

DANIEL CARROLL, one of the best known nurserymen in the west, died November 12 at Normal, Ill., aged 57 years.

PETER YOUNGER, Geneva, Neb., sprayed his orchard five times during the past season and results warrant the effort.

THE raspberry named for its originator, F. W. Loudon, who died at Janesville, Wis., October 2, survived 35° of cold last winter.

THE Expansive Tree Protector Co., of Rochester, has been incorporated with capital of $20,000 by W. H. Coon, J. S. Lee and R. T. Chapin.

CLARENCE WEDGE and M. E. Hinckley will infuse some of their enthusiasm for Iowa horticulture into *The Fruitman*, now issued in enlarged form from Mt. Vernon, Ia.

M. BUTTERFIELD, of the Star Nurseries, Lee's Summit, Mo., has made arrangements to start an experimental orchard near Farmington. Mr. Butterfield has planted 80,000 trees on the contract plan within the past few years.

"Tree Night" in Philadelphia.

Next Tuesday evening, November 28, is the date set by the Pennsylvania Horticultural Society for the discussion of the subject of tree planting in cities. This was decided at the regular monthly meeting held in Horticultural Hall, November 21, it being felt that the importance and timeliness of the subject deserved a special meeting to itself. This action was advocated by President James M. Rhodes and a committee was appointed to arrange for speakers for the occasion.

The Horticultural Society has for years been an earnest advocate for beautifying our city with suitable trees and heartily endorses the present attitude of the Mayor, Director English, City Forester Lewis and other city officials. A full and free discussion by experts on the project of making a grand boulevard on Broad street will be of great benefit in securing the planting of the most suitable species and may show the wisdom of modifying in some respects the present plans. City Forester Lewis has consentcd to address the meeting and will be the opening speaker for the symposium. Professor Macfarlane, Dr. Rothrock, Professor Meehan and others will follow.

A cordial invitation is extended to the general public to attend this meeting, which is of great importance from a civic standpoint and ought to interest all. A special invitation has been sent to the Mayor and other city officials and they have signified their intention of being present, as have also the members of the Civic Club and the Philadelphia Florists' Club, both of which organizations have been earnest workers in advocating tree planting as a salutary sanitary influence as well as for its picturesque value in beautifying our public highways.

The great trouble heretofore has been that every lot-owner has been a law unto himself and the wrong sorts of trees have been planted and they have generally been planted poorly, have often been left a prey to insects and disease, or, if attended, have been attended by the tree butcher. The consequences of this have been seen on every hand all over the city and to say it is an eyesore is putting it mildly. True, a great improvement has been effected by judicious spraying and pruning of the trees in the city squares since these came under the charge of Mr. Lewis, but that is only a small part of the matter. The city ought to look after the trees on all the streets and give them intelligent, up-to-date treatment. Philadelphia must get a big move on her if she is to keep abreast of other cities in this respect and it is gratifying to find the present city administration is alive to this. It is therefore in order to endorse and back them up. The friendly criticism of experts as to sorts and methods is meant as a help to this and there can be no two opinions as to the wisdom of the general idea.

G. C. WATSON.

Pittsburg.

TRADE IS GOOD BUT PRICES ARE STATIONARY.—VISITORS TO PHILADELPHIA.—HORTICULTURAL SOCIETY TO COME.

In spite of inclement weather this week trade has been very satisfactory but there is no change in prices. Harrisii lilies have made their first appearance.

Wm. Falconer, H. Blind, John Bader and Fred. Burki visited the Philadelphia flower show and express themselves well pleased.

At the November meeting of the Florists' Club, which was well attended, M. C. Dunlevy spoke on the annual meeting of the State Horticultural Society, which takes place here about the middle of January. He urged the Florists' Club to take an interest in the matter and it was decided that a committee of two be appointed to confer with the Fruit Growers' Association.

GEO. OESTERLE.

Malden, Mass.

Peter Ball is cutting a large crop of roses, having many houses stocked with Bride and Bridesmaid. The recent unseasonable warmth has rushed in the blooms in a most exasperating manner and forced prices down but as Mr. Ball is classed among the best growers he has not suffered as severely as have others. Most of his plants are breaking nicely and afford every prospect for a good cut for the holidays. A new house 18x100 planted with Adiantum cuneatum is showing fine growth.

E. D. Kaulbach has a range of modern houses and a well appointed city store at which he finds trade good. Mr. Kaulbach was recently in receipt of an order from that well known itinerant, the palm swindler. Mr. Kaulbach's son took the $75-worth of plants to the address given but verified the order and discovered the deception. On the way back with the load he met the swindler and gave battle despite the desparity in size. The fellow was lucky to get off with a beating.

TAP.

Peoria, Ill.

Business has been good for some time and there appears to be an abundance of flowers. The only kicking is on the coal bills, which are decidedly high.

The prospect for Thanksgiving looks bright. J. C. Murray will have a fine cut of carnations. He is greatly pleased with G. H. Crane and will plant it largely next year. Evanston also does well with him.

Cole Bros. have a fine bench of Mrs. Bradt and their Beauties are heavily in crop. They have substituted steam for hot water in part of their range and are well pleased with the change.

C. Loveridge's grafted roses show up better than do the own-root plants. His violets are in good shape after the hot autumn.

G. A. Kuhl certainly has the prettiest store in town and the display there is always arranged in exquisite taste.

PEORIAIAN.

TREE & SHRUB SEEDS

I have an extra fine lot of the following seeds, good fresh crop 1899 by mail, prepaid: per lb.
Calycanthus Floridus, Sweet Shrub..... 40c
Cornus Florida, White Flowering Dogwood... 20c
Helesia Tetraptera, Snow Drop..... 75c
Magnolia Acuminata..... 75c
" Macrophylla..... 75c
" Tripetala..... 75c
Also Exochorda, Sugar Mapel and other seeds and seedlings. Send for list.
J. H. H. BOYD, - - Gage, Sequatchie Co., Tenn.

DEUTZIA GRACILIS.

Strong, bushy plants for forcing, $6.00 per 100.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Send for price list of Hardy Shrubs and Trees.

HOME OF CHOICE TREES and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. Catalogue free.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

NURSERYMEN....

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

OAKS 10,000 Pin, Scarlet, Red, White Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leeved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Specialties for Thanksgiving.

CUT FLOWERS.

THANKSGIVING PRICES.

ROSES.

Beauties, long	per doz.,	$3.00 to $4.00
" medium	"	2.00 to 3.00
" short	"	1.00 to 2.00
Brides, Maids, Meteor	per 100.	4.00 to 6.00
Kaiserin, La France	"	4.00 to 6.00
Perle	"	3.00 to 5.00
Roses, our selection	"	3.00 to 5.00

CARNATIONS.

Fancy Stock	per 100,	$2.50 to $3.00
Ordinary Stock	"	1.50 to 2.00

CHRYSANTHEMUMS.

Fancy Varieties	per 100,	$15.00 to $25.00
Medium Stock	"	8.00 to 12.00
Common Stock	"	4.00 to 6.00

MISCELLANEOUS STOCK.

Violets	per 100,	$.75 to $1.50
Valley	"	4.00 to 5.00

ORCHIDS

Catt'eyas	per doz.,	$ 7.00
Cypripediums	"	2.00
Assorted Orchids	box,	10.00

Above prices subject to change without notice.
Give us your Thanksgiving orders early.

Decorative Stock.

Wild Smilax, parlor brand		$3.75
" medium case		5.50
" large case		8.00
Asparagus plumosus	per doz.,	6.00
" " string		.50
Smilax	per doz.,	$1.00 to $1.50
Adiantum Ferns	per 100,	.75 to 1.00
Common "	per 100,	.15
" "	per 1000,	1.50
Galax Leaves	"	1.50
Farleyense Fronds	per doz.,	1.00

We carry a good stock of above always on hand and can fill orders promptly.

Cyclamen Plants.

POSITIVELY NONE BETTER.

NOW READY to be shipped direct from Greenhouses.

3-inch pots	per 100,	$ 8.00	
4 "	"	12.00	
5 "	"	25.00	
6 "	"	50.00	

XMAS STOCK.

ORDER NOW and secure your supply early.

Holly and Green.

We will meet the quotations of any reputable Western House.

We have fresh goods of the following and are ready to fill your orders:

CAPE FLOWERS,
IMMORTELLES,
PAMPAS PLUMES,
FAIRY FLOWERS,
SHEET MOSS,
SPHAGNUM MOSS.

VASES, RIBBONS,
WHEAT SHEAVES. DOVES,
TIN FOIL, TOOTHPICKS,
BASKETS, BOUQUET PINS,
VIOLET TIN FOIL, CHENILLE,

And everything used by Florists.
Store open from 7.00 A. M. to 7:00 P. M. Sundays and Holidays, 7.00 A. M. to Noon.
All orders packed with the greatest of care and shipped on time.

McKELLAR & WINTERSON,

Tel. Main 1129. 45-47-49 Wabash Avenue, CHICAGO.



Post Yourself

New Yellow Baby Primrose, a mate to the Pink Baby. We are the only ones that have this one in the United States, $1.20 per dozen; $10.00 per hundred. New Geranium De Roo Mitting, a cross between Cloth of Gold and S. A. Nutt, has yellow foliage and pure scarlet bloom, double, $1.20 per dozen; $10.00 per hundred. New Geranium, double Snow Drop; the best double white pot plant and bedder to date, $1.20 per dozen; $10.00 per hundred. 20 new Coleus, all named, fancy bedders, the 20 new varieties for $1.00 or $4.00 per 100. New Coleus, Little Gem, 6 inches high for border, pink variegations, 25 cents each.

THE MORRIS FLORAL CO.,
MORRIS, ILL.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY 30-36 in. stem	per doz.	$5.00 to $6.00	
24 "	"	3.00 to 4.00	
20 "	"	2.50 to 3.00	
15 "	"	2.00	
12 "	"	1.50	
8 "	"	1.00	
METEOR	per 100	$6.00 to $8.00	
BRIDESMAID	"	6.00 to 8.00	
BRIDE	"	6.00 to 8.00	
PERLE	"	4.00 to 6.00	
CARNATIONS	"	3.00 to 4.00	

Quotations subject to change without notice. All other stock at lowest market prices.

Please mention the American Florist when writing.

CARNATIONS!

After Chrysanthemums are thrown out, many florists plant Carnations. We have a few thousand plants heeled in cold frames suitable for this purpose. They are first-class plants.

Buttercup, C. A. Dana, Crimson Sport, Eldorado, Mrs. Fisher, Wm. Scott, Mayor Pingree, Armazindy, Daybreak, Jubilee, Meteor, Sweet Brier, Capt. King, Albertini.

$4.00 PER 100.

J. L. Dillon, Bloomsburg, Pa.

Grand New Variegated Carnation For 1900

OLYMPIA.

The largest and finest flower ever introduced. For full description see adv. in this paper, page 437, Nov. 11th, or write me direct. I can also furnish from earliest lot of rooted stock.....

Mrs. Thos. W. Lawson, Ethel Crocker and The Marquis at advertised rates.

JOHN N. MAY, SUMMIT, NEW JERSEY.

HERR'S PANSIES

The best is what you want; common Pansies are dear at any price. The "best florists" in the country are my customers; they will tell you there are no other Pansies quite so good as mine. Try them and you will say the same when they come into bloom.

PLANTS NOW AND UNTIL MARCH.

Free by mail, 75c per 100; 250 for $1.50; 500 for $2.50. By express, $4.00 per 1000.

ALBERT M. HERR,
LANCASTER, PA.

TELL THEM WHERE YOU SAW THE AD.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

OUR readers will remember that the high score in the bowling tournament at Detroit last August was made by George Stollery, of Chicago, who was awarded the high game medal called the Detroit Hotel Trophy. The trophy was not delivered until recently, and we are now pleased to be able to present an illustration of the handsome gold prize, which is valued at $60.

At New York.

Following are the scores made on the Fifty-seventh street alleys November 20:

Player.	1st	2d	3d	4th	Av.
Lang	151	180	144	171	162
Schenck	144	128	134	186	148
Burns, Jr.	149	151	146	126	143
Marshall	102	138	173	148	140
Burns	158	124	127	130	135
Woerner	109	128	134	115	122
Von Asch	106	131	124	121	121
Traendly	99	94	125	144	116
Donlan	112				112
Siebrecht	103	91	99	123	104

At Flatbush.

Thursday evening, November 16, found the usual jolly party at the bowling alleys. Riley went home after the game with two pots in his pocket, but that is getting to be such a common occurrence that he was not agitated in the least. The figures read thus:

Player	1st	2d	Player	1st	2d
Riley	156	205	Papa Zeller	89	103
E. Dailledouze	151	146	Donlan	99	121
H. Dailledouze	125	130	Kunz	108	91
Woerner	127	127	A. Zeller		112
Schmutz	146	104	Prosser		126
Mellis	135	130	Stewart		126
P. Dailledouze	116	110	J. Lang		86

At Chicago.

The quintette of florists who tackled the West Madisons, champions of the West Side Bowling League, on the evening of November 17, have very little to say in regard to the contest; they are strangely forgetful of the details of the match, and have even forgotten just how the score stood at the finish. In order to refresh their memories and for the entertainment of their friends, the following figures are presented; they explain the matter fully:

FLORISTS.				WEST MADISONS.			
Player	1st	2d	3rd	Player	1st	2d	3rd
Asmus	157	117	168	Kenna	194	174	167
Hurson	254	158	158	Helkes	173	159	169
Coulson	185	204	167	Ruther	149	170	177
Degnan	135	135	145	Bowen	169	155	143
Winterson	145	154	158	Ulrich	163	178	148
Total	776	768	796	Total	848	836	804

A few weeks ago the Florists defeated the West Madisons three straight games and now they know how the shoe feels on the other foot. Both these contests were on Kenna's alleys, the regular stamping ground of the West Side team, and the concluding match will shortly be pulled off at Anson's, where the florists feel quite at home. Following last week's defeat, and to show what they might have done had they really tried, the florists bowled a game among themselves, Coulson making 203, Winterson 190, Asmus 180, Degnan 159, and Kreitling 102.

The florists are contributing to the success of several of the teams in the local bowling leagues, the Central Parks, for instance, playing three florists on their team of five. On Tuesday evening this club defeated the Edelweiss team, Coulson scoring 166, 150 and 211, Hurson 175, 176 and 165, Asmus 160, 129 and 154. Coulson is a great accession to the local bowling fraternity.



TROPHY WON AT DETROIT BY GEO STOLLERY.

A Pleasant Reunion.

The employes of the Joseph Breck & Sons Corporation held their fifth annual reunion at Berkeley Hall, Boston, on the evening of Friday, November 17. About 250 were present and the event was an unqualified success, long to be remembered by those who participated. Messrs. C. H. Breck, Jr., E. O. Hatch, Archi. Smith and J. F. Breck, with their ladies, were present and a letter from Hon. C. H. B. Breck expressed his regrets at enforced absence. He made the suggestion in his letter that a historian be appointed to record events annually as they transpire at these pleasant gatherings and also that an effort be made to organize a beneficial society among the employes, pledging a good subscription on behalf of the corporation as a starter. Floor directors, reception committee and others active in arranging the affair deserved great credit for the perfection of all arrangements. Previous to the dancing the following programme was enjoyed, all the performers being connected with the Breck establishment:

Quartet, "In Absence" Employes' Male Quartet.
Piano solo, "Rag-Time Specialties,"
Mr. Peter Lee.
Song, "Because," Miss E. Maud Abramson.
Zylophone selections. Mr. Frank Dodge.
Reading, "Zingarella" Miss Maud Martindale.
Remarks by Hon. C. H. B. Breck.
Song, "Love's Sorrow," Mr. L. M. Myers.
March, "Under the Double Eagle,"
Royal Mandolin and Guitar Club.
Song, "Past and Future," Miss Helen G. Kairns
Comedietta, "A Happy Pair,"
Miss Ollie and Mr. Mark Abrams.
Accompanists—Mrs. Pierce, Mrs. Wilson and Mr. Delano.
Master of Ceremonies—Edwin A. Towne.

At Denver.

Twenty members were present at the Denver Florists' Bowling Club on November 14, renewed interest being stimulated by the gold medal offered by the Park Floral Company for the best score in a series of fifty-four games to be played this winter. Wm. Lingenbrink is accused of trying for the booby prize, one black cat. The following are the scores for the evening:

Player	1st	2d	3d	Av.
Robt. Kurth	150	180	211	180
Geo. Brenkert	188	154	166	169
John Berry	135	149	2 8	162
Chas. Franz	165	165	146	158
Chas. Thiess	190	133	143	155
A. E. Mauff	155	186	120	153
Neil Jakobsen	132	143	179	151
Wm. Doyle	133	141	172	148
Geo. Zimmer	167	141	122	143
P. C. Gallup	160	149	121	143
Don Scott	182	133	122	142
E. C. Fiehr	129	147	150	142
Ed. Emerick	148	136	109	131
John Ferris	153	118	116	129
Chas. Mauff	82	166	137	128
J. A. Valentine		110	145	127
A. M. Lewis	140	116	123	126
L. Waterbury	108	134	124	118
A. A. Benson	135	82	102	106
Wm. Lingenbrink	82	101	110	97

E. C. F.

North Beverly, Mass.

In 1890 Geo. W. Glines erected a small house for cucumbers; so profitable did the venture prove that constant additions have been made and two steam-heated houses are now under way, one 36x270, the other 38x335, which will bring the total glass up to 100,000 feet. Last year Mr. Glines marketed 100 bushels of tomatoes, 4,000 bushels of beet greens, 200,000 heads of lettuce and 4,000 bushels of cucumbers, 900 bushels being taken at one cut from a house 50x300, establishing a new record in this line. White Spine is the only cucumber grown. At present Mr. Glines has 100,000 lettuce under way and has been marketing radishes and cucumbers for some time. Large quantities of his vegetables are shipped to Buffalo and to other cities as far west as St. Paul.

Close to the Glines establishment is that of C. E. Caldwell, where four houses 40x200 are devoted to cucumbers for the Boston market and where a mushroom cellar 30x90 is yielding splendid returns.

TAP.

KANSAS CITY, MO.—W. L. Rock, who had just returned from the Chicago exhibition, where he was in the list of prize winners, gave a show at his store, 1116 Walnut street, November 16 and 17, attracting many visitors.

800,000 FEET OF GLASS.

PETERBERG BROS.

WHOLESALE GROWERS

—OF—

Cut Flowers.

WE can fill all orders on short notice with all leading varieties of **Roses and Carnations.** We are headquarters for fine.....

AMERICAN BEAUTIES.

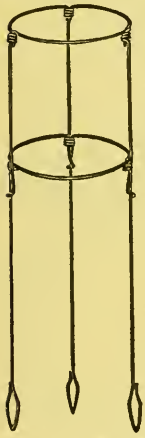
51 Wabash Ave., : : CHICAGO.

WE NOW CLOSE AT 6:30 P. M.
SUNDAYS AND HOLIDAYS AT NOON.

THANKSGIVING PRICE LIST.

	Per doz.
AMERICAN BEAUTIES—	
Ex. long stems..	$4.00 @ $5.00
24 in. stem.....	3.00 @ 3.50
20 "	2.50
15 "	2.00
12 "	1.50
Short.....	1.00
	Per 100.
METEOR.....	6.00 @ 8.00
BRIDESMAID.....	6.00 @ 8.00
BRIDE.....	6.00 @ 8.00
LA FRANCE.....	6.00 @ 8.00
PERLE.....	4.00 @ 6.00
KAISERIN.....	6.00 @ 8.00
GOLDEN GATE..	10.00 @ 12.00
CARNATIONS—	
Ordinary.....	2.00 @ 3.00
Fancy.....	4.00
'MUMS—	Per doz.
Fancy	$2.00 @ $3.00
Ordinary.....	1.50

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER,
Brooklyn, N. Y.
Dear Sir:—Your Model Carnation Support is all right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N. Y.
Feb. 18 '97.
MR. THERON PARKER,
Dear Sir,—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J.,
Feb 18, '97.
MR. THERON PARKER,
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing ery success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes
AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

Kift's Adjustable Hanging Flower Vase and Plant Holder.

Ornamental, practical and useful; just the thing for short-stemmed flowers such as violets, orchids, valley, etc. Indispensable for show window and house decorations. The clasps are adjustable and can be placed in any position or angle. The fixture is made of solid brass, heavily nickel-plated and is practically indestructible. A larger size for five to six-inch potted plants, such as Adiantum Farleyense, Cyclamens, etc., shows these plants to the best possible advantage.

Kift's Individual Cut Flower Vase...

A pointed glass tube fitted with a perforated rubber cap, through which the stem of the flower is placed. The cap holds the vase and the flower firmly together and prevents the escape of water in the tube, no matter at what angle it is placed. Useful for keeping flowers when sprayed on dinner tables, for basket handles, for orchid sprays which can be inserted in pots of Farleyense, etc., and is useful for hosts of decorative effects.

WRITE FOR CIRCULARS AND PRICES.

ROBT. KIFT, - 1725 Chestnut Street, Philadelphia, Pa.

Please mention the American Florist when writing.

PANDANUS VEITCHII.

Extra fine stock in 6-inch pots, $1.00 each.

Cannas in all the leading varieties at lowest rates if ordered now.

Carnation Cuttings ready soon.

W. W. COLES, - Kokomo, Ind.

BOSTON FERN...

2¼-in., $5.00 per 100; 3 and 10-in. pans, from 5 -in., 50.00 per 100. | 75c. to $1.50 each.

Nephrolepis Cordata Compacta 2¼-in., $5.00 per 100, 8 and 10-in. pans, fine, $1.00 to $1.50 each.

Geraniums, S. A. Nutt, etc., rooted cuttings from soil, $1.50 per 100, $15.00 per 1000.

Asparagus Sprengerii, 2¼-in., $5.00 per 100.

CASH PLEASE. CARL HAGENBERGER, W. Mentor, O.

Cincinnati.

BUSINESS QUIET.—A GLUT OF CHRYSANTHEMUMS.—SEEN AT THE MARKET.—LEADING VARIETIES.—PERSONAL MENTION.

Business the past week has been rather quiet, but the wholesale houses report a fair shipping trade. Chrysanthemums at the Sixth Street Market were simply a glut last Saturday, only a small proportion of the cut being disposed of, and that at low prices. Bonnaffon stands as were seen at Pfeifer Sons' and Popp's stand were magnificent, and should have sold readily at $3 per dozen. Karl Schweizer's, Mrs. Chas. Pfeifer's and J. Ernsterhoff's stands had fine displays of pot-grown Ivory, which seems to be the best pot plant. Princess Beatrice, Pink Ivory, Bonnaffon, Mrs. Jones, Mrs. Robinson, Geo. W. Childs and H. L. Sunderbruch are the principal varieties that are grown for market plants here. There is still room for a good pink of dwarf habit, as Pink Ivory comes too light colored with most growers.

R. Witterstaetter returned from his recent hunting trip loaded down with game. Charles McCullough is spending a week in Michigan after ducks.

Geo. Walker, the genial superintendent at the Sixth Street Flower Market, was a conspicuous figure last Saturday with an 8-inch Golden Wedding in his buttonhole.

B. P. Critchell's Sons have remodeled their Fourth street store in keeping with the other stores along that popular street. H. SCHWARZ.

WYNNEWOOD, PA.—Edward Le Boutillier, of Germantown, has purchased the residence and grounds of Charles Dissel, the transfer including the fine collection of plants in the greenhouses, specimens of which John Thatcher, the gardener, has so often brought to the Pennsylvania Horticultural Society's meetings and exhibitions. Mr. Le Boutillier's plans concerning the plants is not known, but it is to be hoped they may be kept together and under Mr. Thatcher's care.

TO CLOSE OUT for want of room, the following plants, ready for a shift.

		Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.	$8 00	
1000	" "	2-in.	5.00	45.00
7 00	Latania Borbonica	"	5 00	40.00
5000	Pteris Tremula	"	2.50	20 00
2000	" Ensifolia	"	2 50	20.00
2000	" Serrulata Max	"	"	"
3 00	" Longifolia	"	"	"
2000	" Serrulata	"	"	"
2000	" " Compacta Nana	"	3.00	25.00
1000	" Guardia	"	2.50	20.00
1500	Nephrolepis Bostoniensis	2½-in.	5 00	40 00
2000	" Cordata Compacta	"	4 00	35.00
2000	" Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

MAJOR BONNAFFON STOCK PLANTS FOR SALE.

10c apiece, $1 a doz., $6 a 100. These clumps are large and full of young growth and are from prize winning stock, flowers produced from same taking first prize wherever shown, five first premiums in one season. Also a limited quantity of other good varieties, such as Lady Fitzwygram, Ivory, H. W. Rieman, Mrs. C. H. Pierce, Yanoma, Mrs. Murdoch, Golden Wedding, Viviand-Morel, Philadelphia, Mrs. Seulberger, Sunderbruch, etc.

CUNNAR TEILMANN, Marion, Ind.

For Sale. STRONG STOCK 'MUMS, at 5 cts. each.

VARIETIES:

Blackhawk, Pennsylvania, Heilsworth, Bonnaffon, Golden Trophy, Golden Wedding, Glory of Pacific, Autumn Glory, Mayflower, Ivory, Sunderbruch, Niveus, M. M. Johnson.

ADDRESS **E. F. OVERMAN, Wabash, Ind.**

Kennicott Bros. Co.

WHOLESALE

CUT FLOWERS

and Florists' Supplies,

42 & 44 Randolph St.,

Long Distance Phone, Central 466. **CHICAGO, ILL.**

Thanksgiving Prices.

The following prices are subject to change without notice. All flowers in season at lowest market rates. **FLORISTS' SUPPLIES** and **WIRE WORK** a specialty. On Wire Work we can discount our own or any other list. Write for particulars.

Store open week days until 6:30 p. m.; Sundays and Holidays until noon only.

P. & D. AT COST.	Per 100
Beauties, short	$10.00 to $12.50
" fancy, fair length	25.00 to 30.00
" fancy, long	35.00 to 50.00
Meteors, select	6.00 to 8.00
Maids and Brides, select	6.00 to 8.00
Meteors, Maids and Brides, good average	4.00 to 6.00
Roses (our selection)	4.00
Carnations, select	3.00 to 4.00
" good average	2.00 to 2.50
" (our selection)	1.50
Violets	1.75 to 2.50
Valley (the best)	4.00 to 5.00
'Mums, select fancy	20.00 to 25.00
" medium	12.50 to 15.00
Smilax	12.50 to 20.00
Adiantum	.75 to 1.00
Asparagus	50.00 to 60.00
Common Ferns, per M, $2,	.25
Galax per M, $1 50,	.20
Leucothoe	1.00
Narcissus	3.00

Above prices subject to change without notice. All Flowers in season at lowest market rates. FLORISTS' SUPPLIES and WIRE WORK a specialty. On WIRE GOODS we can discount OUR OWN OR ANY OTHER LIST. Write for particulars. Store open week days until 6:30 P. M. Sundays and Holidays until noon only.

Respectfully yours

KENNICOTT BROS. COMPANY.

Write for quotations on Wire Work.

HOME GROWN PALMS

			Pots	Per doz.	Per 100
Kentia Belmoreana			3-in.	$1.50	$12.00
" "			4-in.	3.00	23.00
	Size.	Char. Pots.	Leaves.	High.	
" "	5,	5-7	18-21,	$9-$12	$70-$90
" "	6,	7-8	20-25,	18	144
" "	7,	7-8	36-40.	3?-36	240-290
" "	8,	7-8	$3.00 to $4 00 each.		
" "	9,	7-8	5.00 to 7.00	"	
Kentia Forsleriana, 3-in. $1 50 per doz.; $12 per 100					
			4-in.	$23	"
" "	5,	5-6	24-30,	$9-$12	$75-$95
" "	6,	7 8	25-30.	18	144
" "	7,	7 8	35-42.	28-30	225
" "	8,	7 8	$3 00 to $4 00 each.		
" "	9,	7-8	5 00 to 8.00	"	
Latania Borbonica, 2-in.				.50	3.00
" "			3-in.	1.25	12.00
" "			4-in.	3.00	23.00
" "	5,	5-8	15 20,	5.00	40.00
" "	6,	6-8	16 24,	8.50	65.00
" "	7,	6-8	18-24,	12 00	90.00
" "	8,	7 8	28-34,	22 00	175.00
" "	9,	7-9	28-36,	34 00	272 00

Ficus Elastica 5-in. 50c; doz. $5.50; 6-in. $8.00 doz. Livistonia Rotundifolia, 7 in., 12-14 leaves, $2.50 to $3.00 each. Pandanus Veitchii, 4-in. to 14-in., 50c to $10 each. Boston Ferns, 5c to $2.00 each. Cycas, Dracænas, Asparagus, etc., in large variety. Chrysanthemums, stock plants, $10 per 100.

We have 150,000 Tropical Plants on hand. Your visit invited. Term cash, but inspection allowed at express office.

ALBERT FUCHS,

2059-73 N. Halsted St., CHICAGO.

ESTABLISHED 1884.

BOSTON FERNS!

N. EXALTATA BOSTONIENSIS, small plants, $5.00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Larger plants, $8.00 to $20.00 per 100.

..Also a Fine Lot of..

KENTIAS, Belmoreana and Forsteriana, 6-inch pots, from $1.00 to $1.50 each; 7-inch pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 each.
ARECA LUTESCENS, 50 cts. to $3.00 each.
LATANIAS, from $4.00 per doz. to $3.00 each.
ARAUCARIAS, large plants, 75 cts. to $1.50 each.
ASPARAGUS PLUMOSUS, $1.00 to $1.50 per doz.
ASPARAGUS SPRENGERII, 3½-inch pots, $1.50 per dozen.
ASPARAGUS TENUISSIMUS, 2½-inch pots, 75 cts. per dozen; 3½-inch pots, $1.25 per dozen.
RUBBER PLANTS, $5.00 to $6.00 per dozen.
PRIMROSES, 3½-inch, $7.00 per 100.

WM. A. BOCK,

NO. CAMBRIDGE, - - MASS.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

PALM Seed.

FRESH ON HAND

	100	1000	3000
Phœnix tenuis	$.75	$5.00	$13 50
" pumila	1.00	8.00	22.50
" reclinata	.75	5.00	13.50
Corypha australis	.75	5.00	13.50
Pandanus utilis	1.25	10.00	27.50

J. L. SCHILLER, 404 E. 34th St., NEW YORK CITY.

PALMS—CHEAP!

Latanias and Arecas

We are crowded for space and offer at a bargain. Write for sizes and prices.

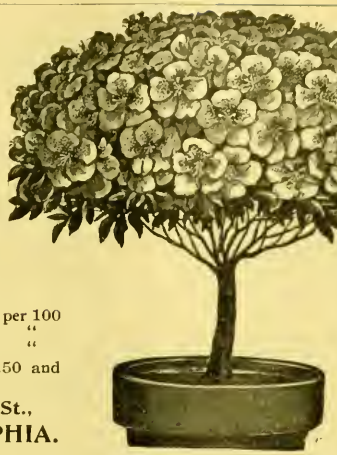
BEST MIXED HYACINTHS under color, $4.00 per 100.

Japan Longiflorum, 7-9, $7.50 per 100.

BROWN & CANFIELD, Springfield, Ill.

We've thousands of readers and hundreds of advertisers. Each helps the other.

..AZALEAS..



WE are now filling orders for Azaleas, importations of which have arrived in excellent condition. Import prices will hold good as long as the stock is not potted; the varieties we supply are the most popular sorts suited to the American market and we can give you any proportion you wish in the four leaders.....

Mme. Vander Cruyssen, Vervæneana, Deutsche Perle and Bernhardt's Andrea Alba.

Personal inspection of the stock in Belgium, through our own representatives, enables us to offer the best stock obtainable at bottom prices.

Order now and save heavy express charges later on, as shipments can at this time be made safely by freight.

FINE BUSHY CROWNS, well set with buds—

10 to 12 inches in diameter.....	$4.50 per doz.;	$35.00 per 100			
12 to 14 " "	6.00 "	45.00 "			
14 to 16 " "	7.50 "	55.00 "			

SPECIMEN PLANTS, of the leading varieties—$1.00, $2.00, $2.50 and $3.00 each, according to size.

Henry A. Dreer, 714 Chestnut St., PHILADELPHIA.

15,000

Latania Borbonica.

Fine plants of exceptional value, viz.:

		Per 100	Per 1000
2 character leaves, 12-15 inch.....		$15.00	$125.00
2-3 " " 4-in. pots, 15-18 in.		20.00	150.00
4-5 " " 5-in. pots, 18-20 in.		25 00	
5-6 " " 5-6 in. pots, 18-20 in.		40.00	

CALADIUMS....

Fancy sorts, named, large dry bulbs, $10 a 100.

BIOTA AUREA NANA...

The finest of all the Biotas, hardy north. Is also used for decorative purposes where it is too cold and exposed for palms. Plants from open ground with balls of earth.

12-15 inch.....$12.00 per 100; $100 per 1000
15-18 inch..... 20.00 per 100.
24-30 inch..... 40 00 per 100.

Everbearing Peach. A desirable variety, fruit ripens for three months, budded, trees 3 to 5 feet, $10 per 100.

OVER ONE ACRE OF CLASS. 350 ACRES IN NURSERY STOCK.

Send for Trade List and Descriptive Catalogue.

P. J. BERCKMANS COMPANY,
Fruitland Nurseries, AUGUSTA, GA.

Please mention the American Florist when writing.

PALM PLANTS.

LATANIAS, 4-in. pots, 18 to 22 in. high, 4 and 5 leaves, $2 per doz., $15 per 100; 6-in. pots, 20 to 24 in. high, 6 and 7 leaves, $6 per doz., $45 per 100; large, 3 to 3½ ft. in height and diameter, $2 per plant, $22 per dozen: large, 4 to 4½ ft. in height and diameter, $5 per plant.

ARECA LUTESCENS, 4-in. pots, 22 to 24 in. high, 2 and 3 plants to pot, $4 per doz.; 6-in. pots, 2½ ft high, 2 and 3 plants to pot, $12 per doz.; 10, 11 and 12 in. pots, several plants to pot, 6 and 7 ft. high, $7.50, $10 and $12 50 per plant.

KENTIAS, several sizes; prices on application.

PANDANUS VEITCHII, 6-in. pots, nicely variegated, $1 per plant; 7-in. pots, nicely variegated, $1.50 per plant. **J. W. COLFLESH,**
53d St. and Woodland Ave., Phila.

500 FERNS

(Pteris Serrulata.)

3-in. pots, ready for 4, at $6.00 per 100

2000 Maidenhair, 6 to 8-in. pots, fine plants, $40.00 per 100. **500 Latania Borbonica,** 3-in. pots, ready for 4, $10.00 per 100. Cash with order.

ART FLORAL CO.,
3907 Cottage Grove Ave., CHICAGO.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept. 15th.

Anton Schultheis, P. O. Box 78, College Point, New York City

Please mention the American Florist when writing.

AZALEAS, etc.

Just received in excellent condition a large consignment of the best forcing varieties. Can be safely forwarded by freight before cold weather sets in.

10 to 12 inch Crowns $35.00 per 100; 12 to 14 inch Crowns $45.00 per 100; 14 to 16 inch Crowns $55.00 per 100.

LATANIA BORBONICA

7 inch pots, 6 large character leaves, $1.00 each; 8 inch pots, 6 to 7 large character leaves, $1.50 each; 9 inch pots, 7 to 8 character leaves, $2.00 each.

ARAUCARIA EXCELSA

Fine Stock 16 to 18 inches high, $1.25 each.

ROSES

Crimson Rambler, canes 3 to 5 feet, fine forcing stock, $12.00 per 100; **Hybrid Perpetual,** best forcing kinds, 2 years field grown, $10.00 per 100.

HYDRANGEA, HORTENSIA and RAMIS PICTIS

Strong field grown, suitable for 6 or 7 inch pots, $12.00 per 100: stronger plants $20.00 per 100.

LILIUM LONGIFLORUM, JAPAN CROWN,

6 to 8 inches, $4.50 per 100; $40.00 per 1000; 7 to 9 inches $7.00 per 100; $65.00 per 1000.

HYACINTHS

Unnamed, separate colors, $40.00 per 1000.

IRIS KAEMPFERI

(Japan Iris), named varieties, $5.00 per 100; $40.00 per 1000.

DEUTZIA GRACILIS

Fine forcing stock, 12 to 15 inches high, $4.00 per 100. Fine forcing stock, 15 to 18 inches high, $6.00 per 100.

BERBERIS THUNBERGII

Strong transplanted stock, 15 to 18 inches, $3.00 per 100. Strong transplanted stock, 18 to 24 inches, $4.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.

Please mention the American Florist when writing.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN,

in all sizes from

$5.00 per 100, $40.00 per 1000 to

SPECIMEN PLANTS at

75c., $1.00, $2.50, $5.00 and $10.00 each.

Further information cheerfully given.

SATISFACTION GUARANTEED.

EDWIN LONSDALE, Chestnut Hill, ...PHILA, PA.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for.....	$1.00
12 strong plants, 3-in. pots, for.....	5.00
12 strong plants, 4-in. pots, 2 to 3 feet	9.00
12 strong plants, 5-in. pots	18.00

Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

THE BOSTON FERN A Specialty.

Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Please mention the American Florist when writing.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

Acalypha Sanderi

FINE PLANTS, 2½-inch, $8.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Carnations. We are headquarters for all new and standard varieties. If you want anything write us. All information cheerfully given. Field grown plants all sold.

Chrysanthemums. Stock plants of the leading and standard sorts. Write for prices.

H. WEBER & SONS, Oakland, Md.

Please mention the American Florist when writing.

Field-Grown **CARNATION PLANTS**

ALL SOLD EXCEPT

800 EMILY PIERSON, 200 MORELLO, 100 SILVER SPRAY, 100 SAGINAW.

Will sell the above lot at one-half of cost price to grow, if taken at once. Plants are protected in cold frames and are in fine condition.

CHAS. CHADWICK, L. B. 11, Grand Rapids, Mich.

14 DAYS ONLY.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, well set with buds, from 3 in. pots, $7 per 100; $65 per 1000. Our selection, mixed, $6 per 100; $50 per 1000. Out of 4-in. pots, very fine, in bud and bloom, $12 a 100. Chinese Primroses, fringed foliage, finest market varieties, from flats, $1.50 per 100; from 2 in. pots, $1 75 per 100; from 2½-in. pots, $2.50 per 100; from 3-in. pots, very fine, $4 per 100. Double white, red and single blue $5 per 100. All the above warranted A1 stock. PAUL MADER, East Stroudsburg, Pa.

PANSIES WORTH RAISING

6000 PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,
199 Crent Ave., JERSEY CITY, N. J.

...WANTED...

One or more large specimen plants of

.....CYCAS REVOLUTA.....

Must be in strictly first-class condition.

Address Lakeview Rose Gardens,
JAMESTOWN, N. Y.

WANTED 800 to 1000 KAISERIN ROSE PLANTS, 2¼ to 3-in. Must be clean, healthy and cheap. Give price. Address

J. N. KIDD, Florist. ST. JOSEPH, MO.

WANTED Rooted Cuttings of MARECHAL NIEL ROSES in any quantity. Delivery can be made any time up to February 15th, 1900.

JOSEPH W. VESTAL & SON, Little Rock, Ark.

SEE THIS PRICE. 500 3-in. Maids for forcing or planting, worth $5 00 per 100; we close them at $3 00. 00 Maids, 2¼-in., at $2 50, choice stock. Carnations, rooted cuttings of best varieties of Carnations at $1.00 100. Place orders now.

W. H. CULLETT & SONS, Lincoln, Ill.

PETUNIAS, Double Fringed, a good collection of money makers, 2-in., per 100, $2.00; rooted, per 100, $1.00. Salpiglossis Denticulata, 2-in., per 100, $2.00. Geraniums, mixed, per 100, $1.50. E. I. Rawlings, Quakertown, Pa.

CINERARIAS. We have an immense stock of a superior strain.

2¼-inch..... $2.00 per 100; 300 for $5.00
3 " 3.00 " 200 for 5.00

WHITTON & SONS, - UTICA, N. Y.

Vinca Major Var.

Strong, field-grown clumps, $5.00 per 100. Layers, well-rooted, $1.50 per 100. CASH.

H. KINGSTON, COUNCIL BLUFFS, IOWA.

CINERARIAS. Benary, Cannell and Sutton's prize strains, dwarf and semi-dwarf, giant-flowering, finest colors and shades; 2¼-in. $2 per 100; $5 per 300. 3-in. $3 per 100. Cash with order. Shellroad Greenhouse Co., Grange, Md.

Rose Crimson Rambler.

As a pot plant for retail sales this rose is incomparable. Its hundreds of blossoms all open together and seem to improve for at least two and even three weeks. The bright crimson color holds without fading and contrasts finely with the glossy foliage. It Forces Easily. We have fine dormant stock.

2-yeer-old, 2 to 3 feet, well branched, own roots, per dozen, $2.00; per 100, $15.00.
3-yeer-old, 4 to 5 ft., well branched, budded or own roots, doz. $3.00; per 100, $20.00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

McFADDEN

KEEP YOUR EYE
ON MY ADS. IT WILL PAY YOU.

Kentia Belmoreana Very Scarce. We have a fine block of bushy little plants in 3-inch pots, about five leaves, just right for center pieces, $3.00 per dozen; $25.00 per 100. Other sizes, send for price list.

Adiantum Cuneatum In good condition for potting on. 2-inch, $4.00 per 100; 3-inch, $8.00 per 100.

Farleyense We are HEADQUARTERS for this most beautiful of all Adiantums:

2 inch pots..... $10.00 per 100
3-inch pots, $3 00 per dozen; 20.00 per 100
4-inch pots, 6.00 per dozen; 40.00 per 100
5-inch pots, 9 00 per dozen.
6-inch pots, 15.00 per dozen.

Boston Ferns One of our leading Specialties. 2-inch pots, for stock, $5 00 per 100; $40.00 per 1000. All large sizes on hand for immediate shipment. Send for price list.

Asparagus Sprengeri Fine large plants in 5-inch pots, $3.50 per dozen; $25.00 per 100.

Mixed Ferns for Fern Dishes, fine selection of the hardiest varieties, $5.00 per 100; $40.00 per 1000. FERN SPORES, 50 cts. and $1.00 per trade pkt.

Cyclamen Persicum Giganteum splendid stock of assorted colors. 3-inch, $1.00 per dozen; $7.00 per 100.

Cocos Weddeliana Our stock cannot be surpassed; fine stocky plants, from 3-in. pots, $2.00 per dozen; $15.00 per 100.

Asparagus Plumosus Nanus, cut strings, 8 to 12 ft. long, in any quantity at any time, 50 cts. each.

Cut Carnations in any quantity. All colors. Telegraph or telephone for to-day's prices.

EMERSON C. McFADDEN

U. S. Exotic Nurseries.
TELEPHONE 10 B Short Hills. SHORT HILLS, N. J.

Please mention the American Florist when writing.

SURPLUS OF FIELD-GROWN CARNATIONS,

all under shelter in a cool house, ready for shipping.

MACEO, GLACIER..... $10.00 per 100
DUHME, EVANSTON, DAYBREAK,
PINGREE, VICTOR, ARGYLE, ARMAZINDY, $5.00 per 100.

F. DORNER & SONS CO., La Fayette, Ind.

Please mention the American Florist when writing.

Stock Plants.....

CHRYSANTHEMUMS!

10c. each, or $1.00 a doz.

The following varieties:

Viviand-Morel, Pennsylvania, Golden Gate
Mrs. Egan, Mutual Friend, Mrs. F. Thompson
Kentucky, Mayflower, Mrs. H. L. Weeks
Mrs. Robinson, F. Hardy, Mrs. C. B. Pierce
Major Bonnaffon

CARL E. TAUBE,
Mercer Floral Co. TRENTON, N. J.

CHICAGO CARNATION CO.

Exclusive Carnation Growers.

Cut Blooms and Rooted Cuttings.

Correspondence Solicited.
GREENHOUSES AND ADDRESS
JOLIET, ILL.

CHEAP! CHEAP!

Chrysanthemum Stock Plants, W. and P. Ivory, Pacific, Robinson and Bergmann, $2.50 per 100, if ordered this month.....

CHAS. L. MARSHALL, 67 Merrimac St., LOWELL, MASS.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.

Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

Orchids!



Just arrived in fine condition, a fresh lot of *Cattleya Mendelii* and *Lælia Jongheaya*, also *C. labiata, C. Speciosissima, C. Gaskelliana* and *C. Harrisoniæ*.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Profitable Investment

Orchids in sheath and bud, to bloom in December and January. Price of flowers alone will realize over 100 per cent. cost of plants.

Odontoglossum Cervantesii per doz., $1.50 per 100, $12.00
" Rossii Majus, " " 2.00, " " 15.00
" Nebulosum, " " 2.00, " " 15.00

Price includes prepayment by parcel post.

J. A. McDOWELL, - CITY OF MEXICO.

25,000 CANNAS. Send list of you wants.

5,000 CARNATIONS, Scott, Portia and McGowan at 3c, or $25 00 per 1000. No frost. Not culls.

VINCA MAJOR VAR. and SPIRÆA Anthony Waterer, field stock, 5c.

GENISTA, 2½-in. 3c. MOONVINE, strong rooted cuttings, $1.50 per 100.

HALLEANA HONEYSUCKLE, rooted cuttings, strong, $1.50 per 100. CASH PLEASE.

BENJ. CONNELL, Florist, WEST GROVE, PA.

Asparagus Plumosus Nanus

STRONG STOCK.

2-inch..... $4.00 per 100; $35.00 per 1000
3-inch..... $7.00 per 100; $65.00 per 1000

S. S. SKIDELSKY,
730 Pine Street, PHILADELPHIA.
Mention American Florist.

THE GRAND NEW ROSE LIBERTY!

Won Highest Honors Wherever Shown.

The Finest Crimson Forcing Rose of the Century.

MOST nearly approached by Meteor in color, but far surpassing that standard variety in brilliancy and purity of color, as well as in size and freedom of bloom, never showing any deformed, black or bull heads, either in winter or summer. A remarkable keeper when cut keeping its brilliancy of color without turning blue or dropping its petals, as is the case with Gen. Jacqueminot, which it somewhat resembles in size and fragrance.

I HEREBY EXTEND A CORDIAL INVITATION TO ALL LOVERS OF THE QUEEN OF FLOWERS TO COME AND SEE LIBERTY GROWING.

PRICES ARE AS FOLLOWS FOR A1 STOCK:

Own Rooted Stock in 2½-in. Pots.		Grafted Plants in 2½-in. Pots.	
12 plants	$0.60 each	12 plants	$0.75 each
25 "	.50 "	25 "	.60 "
50 "	.30 "	50 "	.50 "
100 "	.25 "	100 "	.40 "
1000 "	.20 "	1000 "	.35 "

Satisfactory reference or deposit from all unknown correspondents.

AGENTS— **E. G. Asmus, West Hoboken, N. J.**

VAUGHAN'S SEED STORE, Chicago, Ill. | J. N. MAY, Summit, N. J. | F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y

WE HAVE

STANDARD BAYS

3 ft. diameter, handsome, well furnished specimens.

ALSO

ready to quote figures on **guaranteed** first-class

CHRISTMAS HOLLY.

Very fine

MISTLETOE,

covered with berries, 35c per pound.

N. F. McCarthy & Co.

JOBBERS IN ALL Fflorists' GOODS,

84 Hawley Street,

Telephone 734. **BOSTON, MASS.**

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. **PRICE, $2.00.**

GIVE US LIBERTY

Will be the cry when the plants are all sold.

Our stock of **LIBERTY,** the greatest crimson scarlet Rose ever introduced, **IS ALL SOLD FOR MARCH DELIVERY.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock, should order at once.

OWN ROOT PLANTS, from 2½-inch pots.
50 plants or more, and less than 100, 30 cts. each
100 plants and up to 1000, 25 cts. each
1000 plants and over, $200 per 1000
3-inch pot plants, 5c each additional.

GRAFTED PLANTS, from 2½-inch pots.
50 plants or more, and less than 100, 50 cts. each
100 plants and up to 1000, 40 cts. each
1000 plants or more, $350 per 1000
3-inch pot plants, 5c each additional.

ROBERT SCOTT & SON, Sharon Hill, Delaware Co., Pa.

Eastern Agents, ROBT. CRAIG & SON, 49th & Market Sts., Philadelphia, Pa. | Western Agents, BASSETT & WASHBURN, 76-78 Wabash Ave., Chicago, Ill.

When writing mention the American Florist.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

Grown equally successfully by Hill, Craig, and myself; you are not buying it on a venture, but knowing that it is not a success in one soil and a failure in another.

In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants, never out of crop from September to July, more flowers to the square foot than any other known variety and practically no seconds.

With **18,000 stock plants** to work from there is no danger of over propagation, and you are not asked to wait until planting out time for your cuttings but can have them whenever wanted. Orders entrusted to me will have my personal attention, both in the selection of the cuttings and the filling of the order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES at $4.00 now, and a regular assortment of CARNATIONS in a list ready Jan. 1st.

ALBERT M. HERR, Lancaster, Pa.

AMERICAN BEAUTY Bridesmaid. Perle. Bride. Sunset. Meteor. Morgan. Testout. Mermet. La France. Niphetos. Kaiserin. 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

Finest Forcing Roses 2½-in. Per 100, 3½-in. Per 100

BRIDE..... $2.50 $4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. **Cash with order.**

Asparagus Sprengerii 2½-in. pots; Asparagus plumosus nanus, 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

1800 DAYBREAK, 300 METEORS

is what I have left in **Field-Grown Carnation Plants** and are extra fine; $4.00 per 100 or $30.00 per 1000.

W. A. WETTLIN, Hornellsville, N. Y.

Please mention the American Florist when writing.

FIELD GROWN CARNATIONS

Good plants, carefully protected from frost.

LIZZIE McGOWAN.... $3.50 per 100, $30 per 1000
WM. SCOTT..... 2.50 per 100, 20 per 1000

REINBERG BROS., 51 Wabash Ave., ...CHICAGO.

THRIFTY FIELD CARNATIONS

with plenty of roots. Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

Please mention the American Florist when writing.

St. Joseph, Mo.

The weather has been quite warm so far this fall, very dry and dusty for eight weeks or more until November 20, when we had a gentle shower, not enough to fill the many empty cisterns that are to be found throughout the city. The supply of flowers has been about equal to the demand although at times some roses would accumulate. Trade has been very fair, especially in funeral work. Nothing very large has developed in society affairs thus far but we are looking for surprises. Demand for carnations has been unusually good and there have also been numerous calls for Beauties. Chrysanthemums have been going freely, only the odd colors are not wanted. Mr. Rau, Superintendent of Krug Park, opened his chrysanthemum show in the new conservatory November 20. The display is very fine, comprising about 1500 pot plant, of which the majority are new and rare varieties. J. N. K.

20th CENTURY VERBENAS.

Thirty-two grand mammoth varieties, including the new Capt. Dreyfus, Helen Gould, Melba and many others. This is the set that will make the money for the retail florist in the year 1900. Strong, 2-in. pot plants ready Nov. 10th, $2.00 per hundred; rooted cuttings, 60c per 100, $5.00 per M.

NEW DBL. FRINGED PETUNIAS, Henderson's and Dreer's latest set, known the world over as the standard of perfection; strong rooted cuttings Nov. 10th, $1.00 per 100; 2-in. pot plants, $2 a 100.

SMILAX, 20,000 extra strong bushy seedlings, ready for 2-in., fine plants, 50c. per 100, $4 per 1000, free by mail. All rooted cuttings delivered free.

PRINCESS PAULINE AGERATUM, the great novelty of '98, the only one to grow; rooted cuttings now ready, $1.00 per 100; strong 2-in. pot plants, 50c. per doz., $2.00 per 100.

1000 FIELD CARNATIONS, mixed, $2.50 per 100 to close out (protected from frost). Wholesale list now ready. Send for it.

1000 BRIDESMAID ROSES, 2½ and 3-in., $2.50 per 100 to close out. ☞ CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

To Plant After Early 'Mums.

SMILAX for Easter trade, when all green is scarce. Strong plants from 2½-in. pots, $2.50 per 100.

VIOLETS, extra large, field-grown clumps of Princess of Wales, $8.00 per 100. California, $5.00 per 100. These are well budded and will give immediate returns.

CHRYSANTHEMUM STOCK.

All the leading standard sorts and novelties. List of varieties and price on application.

Nathan Smith & Son,
ADRIAN, MICH.

Please mention the American Florist when writing.

PRIMROSES.

CHINESE, single mixed and **OBCONICA** Grandiflora, ready for 3-in. pots, $1.25 per 100.

PANSY PLANTS, Large flowering strain; none better, 50 cts. per 100; $2.50 per 1000.

☞ CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

Please mention the American Florist when writing.

BROWALLIA GIGANTEA,
in full bloom, 2½-in. pots, $4.00 per 100.

BEGONIA GLOIRE DE LORRAINE,
in full bloom, 2½-in., $2 00 per doz.;
4 " extra fine plants, $4.00 per doz.

GERANIUM MARS, 2½-in., $5.00 per 100. CASH PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

A TRUE BONANZA

AND PRICES ON THE RISE.
THREE GEMS OF PUREST WATER.

Florists who grow their own plants and flowers will find none more profitable than our wonderful

3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."



IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other.

FOR CHRISTMAS OR NEW YEAR

nothing could be more pleasing, useful or profitable. While they last.

LARGE CLUMPS, READY TO DIVIDE,

$5 per 100 or 25 for $1.50 by express. Smaller ones by mail prepaid, same price.

A few hundred EXTRA LARGE CLUMPS,
$10 per 100, $1.50 for 12.

Any of above should make dollar plants by Christmas.

THE GENUINE EDELWEISS
OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. *10 for $1, 25 for $2, mailed free.*

THE LACE FERN,

POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

ASPARAGUS SPRENGERI

2½-in., fine, $4.00 per 100; 3½-in., $7.00 per 100.; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

☞ I made $75 more off 250 Baby Primroses than I did off 800 Violet plants; sold the flowers to New York. I want more; also some of your new Forget-me-not. W. H. BURHANK, Florence, N. J.

FOR WINTER BLOOMING. The Orange Violet (Browallia Jamesoni); makes extra fine specimens; 3½ in., $1.25 per 12, express. Browallia Speciosa or Giant Violet, $1 per 12. Euphorbia Jacquiniflora, $1.25. Baby Primrose, 75c. New Primula Obconica hybrids, 75c. Golden Lilac (Centrum Auranticum), 75c. New pink Astilbe Chinense, offered first in Europe this year at $2 per one small plant; our price, field grown, very fragrant, $1 50 per 12 All except Orange Violet prepaid by mail or larger by express Gloxinias, especially grown for Xmas blooming, fine plants, $7 per 100; 25 for $2. Little Gem Callas, $3 per 100; 75c per 12. Spotted Callas, monster bulbs, $5 per 100; smaller at $3 per 100, 25 at 100 rates.

A. BLANC & CO., Philadelphia.

Please mention the American Florist when writing.

Force! Force! Force!

	Per 100
SPIRAEA Japonica	$3.50
" Compacta	5.00
" Astilboides floribunda	5.00
" Japonica aurea reticulata	5.00

Extra fine and decorative.

PAEONIA Officinalis rubra pleno 10.00

This is the true dark crimson variety, the earliest flowering Paeonia in existence, and the only one good for forcing.

	Per 1000
LILY OF THE VALLEY, selected pips, (German)	$12.00
GLADIOLUS Colvilli The Bride	4.00
" " Rubra	4.00
" May, per 100, $2.50,	20.00

Pure white, finely flaked rose, the best for greenhouse planting.

Bobbink & Atkins,
RUTHERFORD, N. J.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other var., 15c per 100; $1 per 1000; if by mail add 10c per 100.

PARSLEY, strong plants 35c per 100; $1.50 per 1000; $12.50 per 10,000 if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

ROOTED CUTTINGS.

15 varieties of **PELARGONIUMS,** the best varieties, $2.00 per 100.

30 varieties of **PETUNIAS,** $1.25 per 100. Every one fine.

15 varieties of **HELIOTROPE,** $1.00 per 100.

VERBENAS—We have all of the best; plenty of the best red and pink, 60c. per 100; $5 00 per 1000.

We will book orders for any of the above, or ship as soon as ready. For particulars write to

S. D. BRANT, Clay Center, Kan.
CASH WITH ORDERS.

We prepay all cuttings except Pelargoniums.

STORM KING DAHLIA

READY NOW. **For Forcing.**

Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.

W. P. PEACOCK, ATCO, N. J.

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SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for fall delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. **VIOLETS.**

WOOD BROTHERS, FISHKILL, N. Y.

Please mention the American Florist when writing.

We beg to advise our friends and customers that the business formerly known as Ellis & Pollworth will now be conducted under the name of

P.O. BOX 725 PHONE 1273.

Wholesale Cut Flower Growers' Agents

C. C. POLLWORTH CO.

Our line of FLORISTS' SUPPLIES is not excelled in the West.

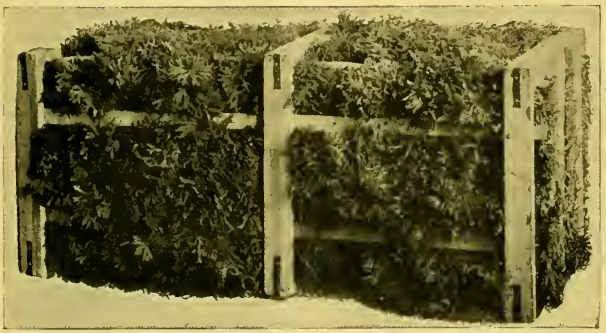
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ARE OUR LEADING SPECIALTIES.

PLACE ORDERS NOW FOR **Green and Holly** FOR THE HOLIDAYS....

Address all correspondence and orders, and make all Checks, Money Orders, etc, payable to

C. C. POLLWORTH CO., Milwaukee, Wis.



Pioneer Headquarters For

VAUGHAN'S XXX HOLLY

Its average high quality never beaten. Every case re-inspected by us.

DEEP WOODS BOUQUET GREEN.

From Little Rib River Black River, Red River and Evergreen Creek. Indian picked.

Write to-day for our **HOLIDAY CIRCULAR,** giving a list of your wants.

Please wire for latest prices on quantities.

VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO.

14 Barclay St., NEW YORK.

BOUQUET GREEN.

Best quality at lowest rates. We gather our own greens and bring by our own boat direct. Also CHRISTMAS TREES.

Northern Michigan Evergreen Nursery,

SCHOONER MARY COLLINS, - S. W Cor. Clark St, H. Schueneman Capt. Bridge, CHICAGO.

Please mention the American Florist when writing.

HOLLY. $3. HOLLY.

Very choicest of Delaware Holly, short branches, dark green leaves, solidly packed, well berried and guaranteed—16 cubic feet.

$3.00 case. *10 cases,$2 70.* *20 " 2.75.*

Running Cedar, Holly Wreaths Wild Smilax, Galax Leaves, Mistletoe,at special low cash prices.

A. K. SAVACOOL, Lewes, Del.

Please mention the American Florist when writing.

HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**

The Exotic Nurseries, DAYTON, OHIO.

CYCLAMEN plants in 3-inch pots all sold.

Have some in thumb pots for growing on for next year, also fine plants in bud and bloom. in 5 and 6-inch pots, yet to offer.

Further information cheerfully given.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, Phila. Pa.

Delaware Holly of the Best Grade from the Swamps, with Bright Green Foliage and well Berried.

Orders will now be received for shipments which will go forward freshly packed at the proper time. For prices and terms, address—

ALEX. PULLEN, = Milford, Del.

MILFORD NURSERIES.



WANT ROOM.

	per 100	1000
PRIMULA, Chinese, mixed....2¼-in.,	$1 50	$12.50
Obconica "	1.50	12.50
in bud 3½-in.,	3.00	25.00
FORGET-ME-NOT, winter bloomer.. 2¼-in.,	2.00	15.00
VELVET PLANT	1.50	12.50
ALTERNANTHERA, 4 varieties, strong, ...2½-in.,	2.00	15.00
IRESINES, 2 colors 2¼-in.,	2.00	15.00
GERANIUMS, 60 vars., mixed "	1.50	12.00
BEGONIAS, 15 named varieties, flowering..... "	1.50	12.50
CIGAR PLANT, strong..... "	1.50	12.50
FEVERFEW Little Gem..... "	1 50	12.50
" golden foliage.. "	1.50	12.50
COLEUS, 10 standard named. "	1.50	12.50

CASH.

W. H. MURPHEY, - Minooka, Ill.

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Hardy Cut Ferns

75 cts. per 1000.

Christmas Trees by the car load or in small numbers.

Bouquet Green, 5½c. per lb.

Sphagnum Moss, 50c. per sack. Cash with orders. All orders by mail or dispatch promptly attended to.

THOS. COLLINS,

HINSDALE, MASS.

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SOUTHERN WILD SMILAX.

CASE No. 1.....	$1.00	CASE No. 4.....	$3.50
CASE No. 2.....	2.00	CASE No. 5.....	4.00
CASE No 3.....	3.00	CASE No. 6.....	4.50

Carefully selected stock. *Full cases.*

Write for art catalogue "Evergreens of the Southland" which every florist should have in his store to show customers illustrations of beautiful Southern Evergreens

Caldwell The Woodsman Co., Inc., Evergreen, Ala.

P. S.--The cow is dead. *Smilax killed her.*

GALAX LEAVES.

Beautiful Green and Bronze, 50 cts. per 1000.

Address **W. H. WILLIAMS & BRO., Victoria, Macon Co., North Carolina.**

Please mention the American Florist when writing.

New Orleans.

BUSINESS BEGINS IN EARNEST WITH MEMORIAL DAY.—A SPRING SHOW ASSURED.—A SOCIETY EXHIBITION.

The first of November brings our Memorial Day and trade was good with everyone and promises to continue so. Abele Bros. announce sales fifty per cent ahead of last year, E. Valdejo sold his entire stock and C. Holst disposed of a large quantity of chrysanthemums. Others did equally well. Stock was not sufficiently plentiful to cause a break in prices but was still ample to meet demands. Some very poor carnations were shipped in from the north but otherwise qualities were satisfactory.

The New Orleans Horticultural Society has decided to give an exhibition some time in April. At the last meeting a splendid display of chrysanthemum blooms graced the society quarters at 10 Royal street. Abele Bros. had fine flowers of Mrs. Pierce, Niveus and Mrs. Robinson. E. Valdejo brought The Queen in good form and Dan Newsham had Black Hawk, Mrs. Weeks, Autumn Glory and others. A few others also showed good blooms.

Shindler & Van Geffen have their new store at 1814–1818 Dryads street heavily stocked. They carry a full line and report splendid business. M. M. L.

New Castle, Ind.

The South Park Floral Company is prosecuting the construction of an addition the completion of which will make their establishment one of the largest if not the very largest in Indiana. Three houses 25x135 and five houses 25x265 are underway and will raise the area of glass to 100,000 square feet. The work is being done after the most approved methods. The South Park Floral Company has made a pronounced success of rose growing and the whole establishment will hereafter be devoted to that flower. It is expected that 20,000 American Beauty plants will be grown next season. All the South Park product is sold through E. C. Amling, Chicago.

GUTHRIE, OKA.—Announcement is made of the marraige of John Wiant Furrow, of Furrow Bros., and Miss Oma Mai Bowden on November 16.

ESTAB. 1765

A. H. HEWS & CO.

NO. CAMBRIDGE MASS.

L. I. CITY N.Y.

CATALOGUE FREE.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

J. G. SWAHN'S SONS, P. O. Box 78, MINNEAPOLIS, MINN.

Clear Cypress Greenhouse Material.

This *with us* means the best growth of Cypress Lumber and the best grade of that growth; and from this grade all the sap—bright sap, which only experts can detect—as well as stained sap, knots and other defects cut out. Others do not equal our quality if they do beat our prices. It is not hard to see the reason: You can not buy gold dollars at fifty cents each. Experienced growers know that the best is not too good and cheapest in the long run.

Write for Circulars or Estimates.

Lockland Lumber Co., LOCKLAND, O.

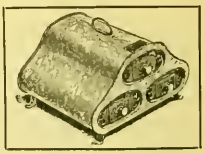
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of ½c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers, 10 Bond St., NEW YORK.

JAMES W. ERRINGER, Gen. West. Sales Agent, 297 Wabash Ave., CHICAGO.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate,	$4 88	120 7-in. pots in crate,	$4 20
1500 2½ " "	5 25	60 8 " "	3.00
1500 2¾ " "	6.00	48 9 " "	3.60
1000 3 " "	5 10	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	5.60
500 4 " "	4 50	24 12 " "	4 80
320 5 " "	4 51	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

HILFINGER BROS. POTTERY, OR.... FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, New York Agents 52 DEY STREET, NEW YORK CITY.

STANDARD FLOWER POTS

FIRST QUALITY.		CREAM COLOR.	
1¾ in., per 1000..	$2 40	3½ in., per 1000,	$ 4 95
2 in., " ..	2 75	4 in., "	6 20
2½ in., " ..	3 25	5 in., "	10 80
3 in., " ..	4 70	6 in., "	16 50

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.



GEO. KELLER & SON, MANUFACTURERS OF Flower Pots.

Before buying write for prices.

361-363 Herndon Street near Wrightwood Ave., CHICAGO. ILL.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,

HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

Please mention the American Florist.

WHILLDIN POTTERY CO.



BRANCH WAREHOUSES KEARNEY AND WESTSIDE AVES. JERSEY CITY, N. J. JACKSON AVE & PEARSON ST. LONG ISLAND CITY, N. Y.

FACTORY. 713-719 WHARTON ST. PHILADELPHIA PA.

Mention the American Florist.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST, 28th and M Streets N. E. WASHINGTON, D. C.

Standard Pots Made by KELLER BROS.

Good Railroad Facilities For shipping. Special Attention Given to Mail Orders, and Special Sizes Made to Order.

NORRISTOWN, PA.

Price Lists Furnished on Application.

M. RICE & CO.

ARE EXCLUSIVE IMPORTERS AND MANUFACTURERS OF

FLORISTS' SUPPLIES.

Moss Wreaths, Baskets, Wheat Sheaves, Doves,
Grasses, Immortelles, Pot Covers, Metal Designs,
Chenille, Plateaux, Cape Flowers, Lace and Paper Handkerchiefs.
Prepared Palm Leaves, Pedestals, Palm Plants, Etc., Etc.

CATALOGUE FOR THE ASKING.

M. Rice & Co., 918 Filbert St., **Philadelphia, Pa.**

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.

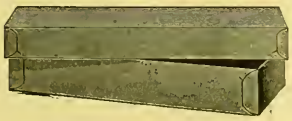


This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1¼ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,

DAYTON, OHIO.

The Philadelphia Wire Works.

HENRY RAJSIK, Proprietor.
Manufacturers of all kinds of

WIRE GOODS For Florists' Use.

ANY FLORAL DESIGN AT SHORT NOTICE.

807-809 No. Fourth St.,
PHILADELPHIA, PA.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreathe, Ferneries and Jardinieres, Wheat Sheavea and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for $2 50. Without spraying valve, $2.00.

The Hose Connection Co., Kingston, R. I.

Always mention the American Florist when you order stock.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC.TO N. STEFFENS. AND STEFFENS BROS.

MANUFACTURER OF

FLORISTS' WIRE DESIGNS & SUPPLIES

335 EAST 21ST ST. NEW YORK CITY.

If you want a GOOD.... **HOSE** write J. G. & A. Esler for prices.

Address J. G. & A. ESLER, Saddle River, N. J.

FLORISTS' SUPPLIES. NEW LIST FOR 1899 IS OUT and will be mailed on application.

CYCAS LEAVES. OURS RIVAL THE BEST IN THE MARKET. 16-19 in. $1.20; 20-23 in. $1.40; 24-27 in. $1.60; 28-31 in. $1.90; 32-35 in. $2.20; 36-39 in. $2.50; 40-43 in. $3 the doz. leaves. Note the reduction.

IMPORTED METAL DESIGNS, just received, latest attractive styles, from 35 cts. upwards.

AUGUST RÖLKER & SONS, 52 DEY STREET, NEW YORK.

NICOTEEN APHIS PUNK.

It Burns!

The most convenient way of applying an insecticide ever yet devised. No pans required. No heating of irons. No trouble. Cannot injure the most sensitive blooms. Very effective.

PRICE: 60c. per box of 12 rolls. All dealers sell it.

SKABCURA DIP CO.

ST. LOUIS. CHICAGO.

"NICOMITE"

(PATENT)

Vapor Insecticide

POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

RED SPIDER, GREEN FLY and all other Insect Pests.

ASK YOUR SEEDSMAN FOR IT.

The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

BONE MEAL

Made for my own use and for other florists who are looking for something good.

TRY A BAG NOW.

ALBERT M. HERR, Lancaster, Pa.

A. HERRMANN

Manufacturer of **Florists' Supplies**

Send for a price list.

404-406-408-410-412 E. 34th St., NEW YORK

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

NEXT CENTURY'S BUSINESS

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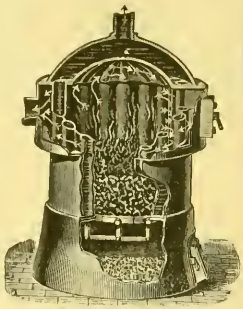
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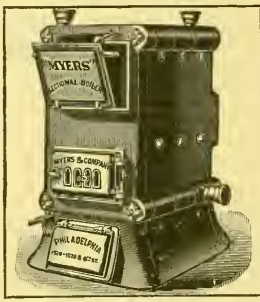
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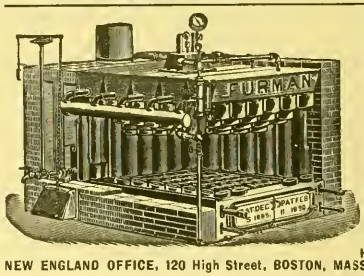
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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THE EXHIBITIONS.

Tarrytown, N. Y.

A half a year is not a great while to work up a flower show and its only that long since the Tarrytown Horticultural Society was organized, but in those six months the society has prospered greatly and its first exhibition was not only an unqualified success but eclipsed the best efforts of some of the older and stronger eastern organizations. The exhibits were numerous, in fact so extensive that sufficient space was not easily afforded; the quality was excellent throughout, the staging effective in almost every instance and the attendance all that could be desired, much more than was expected. Not only did society turn out in force but many men well known in horticultural circles were present and warm in their commendation. This initial success will serve as an incentive to even better work in the years to come, for it is expected that the show will be an annual event.

Wm. Stevenson, gardener to Chas. Graef, was first on group of chrysanthemums in pots, with Robt. Angus, gardener to Major Hopkins, second. Both groups were excellent, consisting of well-grown plants and including not only the best of the old sorts but many of the latest French and American novelties. In the seven other classes for chrysanthemum plants Wm. Turner, gardener to Wm. Rockefeller, was easily the leader, taking all but one first, that for twelve single-stemmed plants, which was won by Wm. Anderson, gardener to J. M. Constable. Mr. Turner's winning varieties were Harry Hurrell, Mrs. Robinson, Geo. W. Childs, Viviand-Morel and Mrs. O. P. Bassett.

In his group of palms and foliage plants Mr. Turner had finely colored crotons, dracænas, Pandanus Veitchii, anthuriums, dieffenbachias, etc., edged with Asparagus Sprengerii and ferns, taking first prize over the F. R. Pierson Co. John Roshard, gardener to Mr. Dickerson, also had a good collection.

The best specimen palm was Mr. Stevenson's Rhapis flabelliformis and the second F. R. Pierson Co.'s Areca lutescens. The best foliage plant was Cyanophyllum magnificum, grown by Howard Nicol, gardener to Mrs. J. B. Trevor, Yonkers, who also had the best table of decorative plants in the class limited to private gardeners. The best six decorative plants were grown by Mr. Anderson; they were Dracæna Sanderiana, D. Godseffiana, Croton Lady Zetland, Panax Victoria, Evodia elegans and Aralia Veitchii. James Nichol, gardener to Mrs. George Lewis, brought the best three ferns, Nephrolepis Bostoniensis, N. davallioides furcans and Adiantum Farleyense. The best single fern was Howard Nichol's Davallia Fijiensis, who also had the best adiantums. The winning selaginellas were grown by Wm. Scott and the finest cyclamens by Wm. Stevenson.

In cut chrysanthemums the winning thirty-six blooms, six varieties, were grown by Wm. Turner; they were Peter Kay, Mrs. Bassett, Mrs. Weeks, Viviand-Morel, Mrs. Robinson and Major Bonnaffon. Wm. Scott was first for his thirty-six distinct varieties and for twelve varieties, his list covering all the up-to-date sorts. The prize for six white blooms fell to Wm. Smith, of the Mallory estate, as did that for best arranged vase. Wm. Anderson grew the best yellow, Mrs. Trainor L. Park, and the best crimson, John Shrimpton. The best pink were Mr. Turner's Viviand-Morel. The Dr. Tewey prize for twelve blooms of a variety introduced in 1897 went to Mrs. Weeks, grown by Mr. Scott.

In cut roses the F. R. Pierson Co. showed the best American Beauties and received a certificate of merit for Liberty. A. A. Taaffe, gardener for F. O. Mathison, had the winning Perles, Wm. Turner the finest Mrs. Morgans, and James Nichol the best Brides and Bridesmaids.

Wm. Hay, gardener to J. M. Williams, sent the best six varieties of carnations, Pingree, Bradt, Lily Dean, Jubilee, Triumph and White Cloud, and the best twelve blooms white, White Cloud. Wm. Anderson grew the best three varieties, the Briar Cliffs Farm the best Crane, Gold Nugget and Bradt and Mr. Taaffe the winning Triumph. The Pierson Co. received a certificate for Mrs. Lawson.

H. A. Spavin, of Mt. Kisco, won for double violets with Marie Louise and received a certificate for Lady Campbell. R. Jenkins was first for fifty singles and Jas. Nichol for the Morgan prize for 100 Campbell.

John Fursey, the Yonkers florist, was the star in the class for floral arrangements. There were considerable displays of fruits and vegetables from the estates of Mallory, Brinkerhoff, Wilson, Eastman, Mathison, Mrs. Palmer, Graef, Rockefeller, Mrs. S. E. Sackett and Major Hopkins and the competition was close.

Special prizes, certificates and honorable mention were bestowed upon Howard Nicol, for Cycas revoluta; Wm. Scott, for a table of decorative plants; F. Mangold, superintendent of the Helen

Gould estate, for decorative plants and orchids; Kretchmar Bros., Nyack, John Egan & Son, Tarrytown, and R. Henderson, Hastings, for carnations, and Claude Wilson, of Dobbs Ferry, for apples.

A meeting of the society was held on November 21, four new members being elected and four names proposed. The treasurer presented a statement showing that when all liabilities arising from the show are paid there will be a balance of $200; the debts were ordered discharged at once. Thanks were extended to Wm. Turner for the able manner in which he managed the show and to P. O'Mara, Wm. Harvey, Peter Duff, George Smith, Wm. Duckham, Wm. Anderson and W.E. Marshall for their service as judges. Officers for the ensuing year were nominated, to be voted upon at the meeting December 28, following which there will be a collation to which the committee in charge was instructed to invite the gentlemen who assisted in the success of the exhibition.

Galveston, Tex.

The chrysanthemum fair at Galveston, November 14 and 15, was none the less successful because it was a first attempt. While interest centered in the chrysanthemum there were also excellent displays of palms and ferns, which attain unusual excellence in this semi-tropical climate. These blended splendidly in effect with the great mass of multi-colored chrysanthemums. In point of new and excellent varieties shown the exhibit was up-to-date in every respect, the later introductions gaining first attention from the splendid crowds. Among these sorts were Julia Scaramanza, Silver Wedding, Mrs. Trainor L. Park, Admiral Dewey, Nyanza and some Texas-grown seedlings not yet disseminated. Most prominent among the prize winning varieties may be mentioned The Queen, Niveus, Mrs. H. Robinson, Frank Hardy, Modesto, Major Bonnaffon, Golden Wedding, Col. W. R. Smith, Minerva, Viviand-Morel, Mrs. S. T. Murdock, Maud Dean and Black Hawk.

It was noticed that the pink varieties were very much faded in color this year, possibly owing to the long warm season unusual at this time. All were more or less defective in color except Mrs. S. T. Murdock. Golden Wedding was shown in unusual excellence, being almost invariably first as a yellow. Modesto in some instances showed an undeveloped center which a little more time would have no doubt completed perfectly. Pot plants were shown in great profusion and, except for the fact that some of them were a little tall, were of very superior quality.

Galveston has never been considered a very successful locality for the culture of the chrysanthemum because of its light, sandy soil and immediate proximity to the gulf coast and about all the display in this line was brought from Alvin, twenty-five miles from the coast, and from other adjoining towns. Exhibits from Nathan Smith & Son, of Adrian, Mich., and James Morton, of Clarksville, Tenn., while superb in every way, were not more than able to hold their own against cut blooms grown under canvas at Alvin. Among the successful growers at Alvin are Mesdames J. Wilburn, Z. T. Sedwick, J. E. Cannon, B. Snyder, P. M. Hartley, Ed Carter, S. O. Smith, A. W. Wilkirson, E. L. Rugg and W. J. Hamlett, all of whom grow flowers for the special purpose of winning prizes at the south Texas flower shows. Among the Galveston growers who make more of a specialty of growing decorative foliage plants are Otto Fehrlin, J. D. Preusner, Mrs. J. B. Harris, Mrs. J. Maurer, Mrs. Hughes and Thos. Keats. Wm. Kutschbach, of Houston, was also represented by a very large display of chrysanthemums and won several nice premiums.

The judging was performed by S. J. Mitchell, of Houston. The management promises a show for next year on a much larger scale.

Waco, Tex.

The fourth annual chrysanthemum show of the Texas State Floral Society, held at Waco, November 15 to 17, was a distinct advance over its predecessors; it excelled in extent, in quality of exhibits and in arrangement. Among the principal features of the show were the mantel decorations and the hanging baskets. There was sharp competition all along the line and James Morton, of Clarksville, Tenn., had no light task in awarding the premiums. Class A was open to all and here florists and amateurs met in keen combat, Walter Reese distancing such successful commercial exhibitors as Miss Anna West, James Wolfe and the Texas Seed and Floral Co. in many of the classes, both for cut chrysanthemum blooms and bush plants. In the mantel decoration Miss West won. Class B was limited to amateurs and in the entries for cut flowers Mr. Reese won all but one of the firsts on the first day; the second day, however, he was obliged to divide honors with George Roberts and others. On chrysanthemums and other plants the leading amateurs were Mrs. J. W. Henshaw, Miss Bella Beer, Walter Reese, Mrs. Richardson, Mrs. Kendricks, Mrs. J. D. Shaw, Mrs. W. S. Plunkett, Mrs. J. P. Carpenter, Mrs. G. M. Shepard and Mrs. A. Branson. There were other classes for children of various ages and on the whole the exhibition left little to be desired, certainly nothing as to attendance or social success.

Omaha, Neb.

One of the important social events of this and last week has been the chrysanthemum show at the greenhouses of Geo. A. Joslyn, the entire receipts from which were given to one of the local churches. The seven greenhouses, constructed entirely of stone, iron and glass, surround a large central dome devoted to palms and, although only three years old, both in construction and in the large collection of rare plants, they rank high among the best in the country. In the portion devoted to orchids are found varieties of which there are only a few in cultivation in the United States. In the arrangement of plants, the large and beautiful collection of chrysanthemums were given the advantage, while hidden among the plants and in rustic caves and fountains abounding in gold fish, were colored incandescent electric lights. The florist in charge of the greenhouses is Louis Lecluse.



CHAS. GRAEF'S PRIZE GROUP OF CHRYSANTHEMUMS AT TARRYTOWN, N. Y.

CHRYSANTHEMUMS.

WORK OF THE COMMITTEES.

As had been announced, November 25 was the last date for regular meetings of the C. S. A. committees. To judge late seedlings it has been the custom for the committees to meet on following Saturdays when requested. Those having late blooms to show can arrange for a special meeting of any committee by addressing the chairmen as follows:

A. H. Fewkes, Newton Highlands, Mass.; Eugene Dailledouze, Flatbush, L. I., N. Y.; A. B. Cartledge, 1514 Chestnut street, Philadelphia, Pa.; R. Witterstaetter, Sedamsville, Ohio, and Jas. Hartshorne, Joliet, Ill. Notice should be given the chairmen at least two days before seedlings are shown.

New York, November 25.—Nathan Smith & Son, Adrian, Mich., exhibited the following three varieties: Stellata, a rich yellow Japanese variety, scored both scales 95 points; White Bonnaffon, a white incurved, scored commercial scale 89 points; Pluma, a light pink hairy, incurved Japanese, scored commercial scale 80 points.

Boston, November 25.—The following three varieties were exhibited by Nathan Smith & Son: Pluma, scored exhibition scale 86 points; Lavender Queen, a deep lavender pink variety of the Japanese

reflexed type scored commercial scale 92, exhibition scale 95 points; Intensity, a crimson Japanese variety scored commercial scale 94, exhibition scale 90 points.

Philadelphia, November 25.—Edward Salyer, Wilkesbarre, Pa., exhibited Mrs. Edward Salyer, a white Japanese incurved, which scored commercial scale 89, exhibition scale 87 points. The following were shown by Nathan Smith & Son: White Bonnaffon, scored commercial scale 89 points; Stellata, scored both scales 88 points; Lavender Queen, scored commercial scale 83, exhibition scale 82 points; Intensity scored commercial scale 87, exhibition scale 82 points; Pluma scored commercial scale 86, exhibition scale 85 points.

Cincinnati, November 25.—Mrs. J. G. Robinson, Santa Clara, Cal., exhibited Margaret Enright, Japanese, white shaded lemon, scored commercial scale 89 points.

Chicago, November 25.—Nathan Smith & Son exhibited the following: Intensity, scored exhibition scale 82 points; Pluma, scored exhibition scale 83 points; White Bonnaffon, scored commercial scale 85 points; Stellata, scored commercial scale 92 points. ELMER D. SMITH, Sec'y.

SOME NEW VARIETIES.

Nesota is a light yellow Japanese variety producing a large, spreading bloom with long, broad strap petals. It is a seedling of Sunstone × W. H. Lincoln, originating with Nathan Smith & Son, Adrian, Mich., and has a perfect stem and foliage. The height is three feet.

The accompanying illustration shows six pompon varieties originating with John N. May, Summit, N. J., which were at perfection October 15. No. 15 is an attractive flower, white with blush pink center; No. 17 is a very showy flower of deep violet shade; No. 19 is deep orange maroon of very compact form; No. 21 is a beautiful clear white of large size and extra good form; No. 22 is clear yellow, a bold, symmetrical bloom; No. 24 is bronze, shaded lemon, large, very deep and showy. All are distinct.

Mrs. Edward Salyer is the favorite variety of the originator, Edward Salyer, foreman for Ira C. Marvin, Wilkesbarre, Pa., who has produced a number of sorts which are now prominent in commerce. This acquisition is a late bloomer, not being near its perfection as certificated at Philadelphia November 25. It is usually at its best about December 15 and last year was perfect at Christmas. Mr. Salyer has grown the variety for four years and is very sanguine as to its value to the florists' trade.



A GROUP OF POMPON CHRYSANTHEMUMS.

CHRYSANTHEMUM SPORTS.

M. Ghys suggests a new cause of sporting in this flower, says the *Gardeners' Chronicle*. Alluding to the frequency of color-sporting in chrysanthemums and to the method of propagating them, as follows: "All the shoots are cut off excepting the one carrying the sport; then as this shoot develops buds, it can be propagated by them, as each will reproduce the sport in question;" he observes that no flower, excepting the azalea, presents such frequent cases of dimorphism as the chrysanthemum; that while one variety will give a white flower if it blossoms in September, and a rose-colored one in October, another will have shown glabrous flowers from the first crown buds and downy ones at the terminal buds. Hence, M. Ghys considers the seasons as well as the positions of the buds as influencing the form and color.

As to the predominating colors of sports, he noticed that if the normal flower be of a composite color, one shade may become accentuated, thus overpowering the others. Thus, in Mrs. H. Payne, Madame E. Teston, red predominates; while in Madame L. Remy it is white. Sports of a pronounced red are rarer. Pure white varieties only give yellow sports. But he mentions Annie Cibran, a sport from Mlle. Lacroix as an exception, in being of a rosy tint on expanding in complete sunshine.

A feature worthy of remark is, that varieties which, as Louis Boehmer, contain several dimorphic representatives, pass gradually to white, finally terminating in yellow. This, the author observes—as we have also done—is probably due to atavism, or reversion to the primitive color, from which the name chrysanthemum is derived, "chrysos" being the Greek for "gold;" and he adds that a pure yellow chrysanthemum, obtained either by seed or sport, will no longer give a red-tinted, or white.

M. Ghys then asks: "What are the causes of dimorphism?" A change of climate and soil are usually suggested; but he thinks there is another very important factor, and that is the taking cuttings from a plant in full vigor. "I have always been surprised," he remarks, "at the rarity of sports observed by amateurs and at their complete absence among those who renew their collections every year by the division of the old plants (presumably by dividing the root). M. Delanoy has upwards of 450 varieties and has never had a sport since 1832." The author's procedure is as follows: The plants, as soon as they have done flowering and are still full of sap, are cut down to furnish the first shoots. An endeavor is then made to keep the plants vegetating, which should normally have been in repose. As soon as the young shoots appear, the points are removed; the new lateral shoots undergo the same treatment.

The vegetative growth out of its proper season, and the sudden arrest of the sap produced by the repeated amputations, are two factors of which account must be taken. Following the cuttings through their course of development, they soon become well-rooted in appropriate soil and make a good start. As soon as they enlarge and grow stronger day by day, and cover themselves with foliage, if all of a sudden the flow of sap be stopped by cutting a strong part of the plant, a profound disturbance in all parts of the plant is inevitably induced; and the equilibrium between absorption and the evaporation of water is disturbed. Now

it is in these conditions that sports are not infrequently produced.

New varieties are more prone to dimorphism than those which have been established for many years. Thus it is, that Mme A. Cordonnier and Mme. Deis have given M. Montigny, of Orleans, a sport in the first year they were sent out.

"Does it not explain why all the most approved varieties, as Viviand-Morel, Mrs. C. H. Payne, Madame Carnot, and L. Boehmer, have given rise to a number of sports, by reason of the great demand for these varieties, and in consequence, their greater multiplication?"

Without excluding other causes, the author gives the following conclusions:

1. That the cutting taken from any important part of a chrysanthemum, when in full vigor, is a cause which induces dimorphism.

2. That a new variety has a greater aptitude than one of long standing for giving rise to sports.

CARNATIONS.

THE RELATIVE MERITS OF PINKS.

When speaking of pink carnations most growers naturally think first of Wm. Scott, for with at least nine growers out of twelve it is the standard of this color. It is however, like McGowan in the whites, fast losing its popularity, and with the majority of growers it has dwindled to what might be termed a third rate carnation. In addition to its loss of quality it has, through carelessness in propagation, to a great extent lost its freedom of bloom, so that altogether Scott is in a fair way to be dropped by many who are growing it this season.

Triumph, in every way a superior flower to Scott, but always lacking in constitution, was for a few years my favorite pink. Its weakness in constitution seems to be aggravated this year. Mrs. Frances Joost is more pleasing in color than either of the other two varieties but is not quite up to their standard in size. It is, however, quite large enough for ordinary purposes and its perfect form and color will sell it to many buyers in preference to the others. It is a free and constant bloomer of good constitution and it seems that it will fill the bill until some of this season's gems become cheap enough to become standard sorts.

Daybreak and Victor, alike in everything except for the slight difference in color, are both good carnations where they are well done, but are being dropped by the majority of growers. In the Daybreak class there has been no recent introduction of any value. There are several good ones in what might be called the next shade to Daybreak and, from what I learn, the one most likely to be grown for the next few years is Gov. Griggs. Philadelphia also has a promising one, called Mrs. Bertram Lippincott, in this class. The flowers are of fair size and a very pleasing shade of pink and the plants seem productive enough to make it a paying variety. But what we most need is a new Daybreak a trifle larger in size and with a stronger constitution.

In the regular pink class we seem pretty well supplied with good novelties and seedling growers might with profit to themselves drop this color for a few years, or until those now being introduced meet the fate of extinction which seems to be the fate of all carnations within a cycle of ten years or so. There are three pink novelties to select from and there is difference enough in color to make them almost distinct. Every grower knows all about Mrs. Thos. W. Lawson and The Marquis and Ethel Crocker being my own discovery it is incumbent on me to adopt our Lancaster county maxim and "sike still and sauk nix." Just which of these will suit the growers best we will probably know by next season at this time.

There have been hosts of pinks offered the past few years, perhaps some of them as good as either of the above three, but somehow they have not been taken up by the growers in general. Why not bring them to the carnation meeting and compare them with the varieties there shown? If they are worth while the growers who attend the meeting will recognize the fact and the variety will be given a good trial by some of them.

ALBERT M. HERR.



CHRYSANTHEMUM NESOTA.

WITH THE GROWERS.

A VISIT TO THE WEST.

A ramble among the western fraternity is always full of interest to an eastern grower and at few places are there more noteworthy things than at Richmond, Ind., where E. G. Hill & Co. have, among much good stock, a big lot of pedigreed seedling roses which are just beginning to show their characteristic qualities in various ways. In all seedlings there is sure to be a large amount of chaff to be winnowed down for the grain which it contains and the roses at this establishment are no exception to the rule, but Mr. Hill succeeded in extracting some very promising things. The one which most impressed me was a variety of exceptional promise as a pot plant which can be had in good shape at any season of the year. It is a hybrid tea with the remontant blood rather the more pronounced. The color is a beautiful canary yellow at the base of the broad, leathery petals of clear ivory white. The bud is not very full as I saw it but of that quality I am not able to judge as, although the plants were full of bloom, the flowers were all on short-stemmed side shoots. It has handsome, glossy foliage and I think this variety will make its mark in the rose world at no far distant date. Among the seedling carnations here there are also some sorts which will eventually be heard from. The new house, 25x400 feet, will be a sight worth seeing from Christmas onward.

From Richmond we went to Cincinnati with its smoke, inclined planes, hills and valleys. Among the latter and some distance out by trolley, we found R. Witterstaetter hard at work, as usual, among good stock, with some fine seedlings near at hand, which will, we hope, be dissem-

inated in the near future, bringing the shekels to bulge amiable Richard's pockets as a just reward for the skill and energy put into his work.

A retracing of our steps found us at New Castle, Ind., the home of the South Park Floral Co., where we found Meyer Heller, modest and unassuming, speaking of his grand roses merely as a matter of course. But there can be no mistaking the quality of the stock grown here. Their choicer American Beauties have been bringing $6 a dozen on the Chicago market and other lines have commanded proportionately fine prices. Quality is the prime requisite, first, last and all the time, at this place. The range of glass is now being doubled and it will be one of the most interesting establishments in the country when the improvements are completed.

At Indianapolis we found the Bertermann Floral Company very busy and well satisfied. At H. W. Rieman's something worth while can always be found and a chat with him is ever pleasing. Unfortunately time between trains was not sufficient for a call upon Anthony Wiegand and others whose stock and personality are always interesting.

Among the novelties at Fred. Dorner & Sons', at La Fayette, we found several seedling carnations which will be heard from in due time, one which we understand is to be offered next season being particularly noteworthy. The color is a beautiful soft canary yellow at the base of the petals, toning up to clear white at the outer edges. This may strike many as a not very desirable combination of colors but a bunch of these blooms is among the most charming things I have seen in some time. The variety has good stem, size, freedom of bloom and fragrance all to its credit. The entire stock at this place is in the pink of condition, which is not surprising, as every member of this enterprising family devotes his fullest energy to furthering the business.

Another jump found us at the greenhouses of the Mount Greenwood Cemetery Association, at Mt. Greenwood, Ill., where they have just completed a very fine new house for carnations. The stock looks very promising and there are several very interesting seedlings on trial but Mr. Rudd, with his extreme modesty, would venture nothing in their favor. The chrysanthemums were virtually all cut but there is a very fine batch of cyclamens coming in for the holidays. Other stock grown here is largely for cemetery use.

At the Chicago Carnation Co.'s range at Joliet we found a splendid lot of stock. Everything was in grand shape but Mrs. Bradt, G. H. Crane and Chicago, or Red Bradt, speak with especial eloquence of the ability of Mr. Hartshorne as a grower. After our hurried visit Mr. Thompson, the general manager, drove us back to town behind a span of fine horses.

Bassett & Washburn, at Hinsdale, Ill., devote a large share of their big establishment to American Beauties. Bride and Bridesmaid are grown in about equal proportions and Meteor is much in evidence. All are well grown. Carnations are also in splendid form. Mr. Bassett gives the whole credit for their success with the carnation to the tile bottoms which they are now using for their benches; with these the plants cannot be overwatered.

At Vaughan's establishment at Western Springs, Ill., they have an entirely different class of stock from that which we had been viewing. The houses are filled to their utmost capacity with a general catalogue assortment, all in excellent health. Acalypha Sanderi is a leading feature and James S. Wilson, the able manager, has great faith in its future as a decorative plant.



CHRYSANTHEMUM MRS. EDWARD SALYER.

Hurrying back to Chicago we made close connections for Rogers Park, where lettuce is grown by the million in houses which can be measured by the mile, but as only a part of our crowd were at all hungry we did not sample them, but those of our party who had voracious appetites had to try and appease them by making faces at each other gumming gum. Here, too, are the establishments of several good growers, notably Wietor Bros. and Adam Zender. The latter had a narrow escape from fire only a few days before our visit. Roses are his principal stock. At Wietor Bros. they have about 230,000 feet of glass and a splendid lot of roses and carnations. Beauties lead, numbering about 24,000 plants. Brides, Bridesmaids, Perles and Meteors constitute the balance of the stock. They have a big lot of carnations, all looking well and blooming profusely.

I feel deeply indebted to the proprietors of the several places I have mentioned for their courtesy and hospitality and hope that the near future will see them each at Summit, New Jersey, that I may reciprocate in kind. JOHN N. MAY.

Helpful Reminders.

This is none too soon to provide the vines needed for next season's box and vase filling. A good length is wanted to sell for a good price and this is particularly true of ivy geraniums and maurandias. The latter may be grown from seed started now if you have not already provided stock. The variegated periwinkles and honeysuckles, lifted from open ground and potted, may be put in a cool house where they remain semi-dormant until February.

If your begonias have been kept up to proper temperature, particularly B. incarnata, which is the most desirable next to Gloire de Lorraine for Christmas, they will be ready for their final shift and as soon as they are nicely started give some stimulant once a week.

Where smilax is cut a second growth should be strung at once and, if care is taken, the second crop will be better than the first. Use the green thread called silkaline, which does not require pulling out before using.

Bouvardia is coming into bloom now and care should be taken to maintain a temperature of 60°. Keep the soil sweet by stirring the surface and be sure to have the benches thoroughly saturated when watering. Unless grown on subirrigated benches this stock is apt to suffer from being too dry at the bottom,

where the new delicate roots are formed. If you grow asparagus for cutting don't allow old sprays to remain on the plants. A. Sprengerii does best in troughs about ten inches deep put on brackets on the walls, so that it can hang over. If you wish to increase your stock you can divide the cork like disk into pieces having three to five good roots each.

All plants intended for Christmas sales should be given proper space and light, cleaned and in some cases shifted.

If you grow verbenas from seed, get them started. This plant only sells well in bloom and they must start early to be ready. C. B. W.

Boston.

FAIR SUPPLY FOR THANKSGIVING.—GENERAL STIFFENING OF PRICES.—VIOLETS ARE IN TROUBLE.—A SALE OF PALMS.—MANY CARNATIONS.—HOLLY.—A HIGH ENDORSEMENT.—NORTONS SECURE A BRANCH.—NOTES.

Thanksgiving week is on and a general stiffening of prices on cut flowers is in order. Were it not for the remarkably sunny and salubrious days we have been enjoying throughout November the advance in values would undoubtedly be much more pronounced than it is, as conditions favor a scarcity so soon as bleak, unproductive weather sets in. There is a fair variety to choose from for the decoration of the Thanksgiving day table. Roses are in moderate supply, carnations giving an average crop; some good chrysanthemums are still with us. Paper White narcissi, lily of the valley and Roman hyacinths are plentiful and there are a few callas and lilies for large effects, while anyone with a fancy for that kind of trimming so early in the season can get all the holly he wants. Violets, only, are in trouble and violet growers are ill at ease over the unsatisfactory conditions at present prevailing as to both quantity and quality of their product.

N. F. McCarthy & Co. announce a big auction sale of commercial palms on Tuesday next that ought to draw a good crowd. Mr. McCarthy says the demand for florists' vases has been remarkably large this fall.

Welch Bros. have been receiving carnations in heavy shipments during the entire month and, notwithstanding the general shortening up of crops, they are well supplied for Thanksgiving week.

Geo. A. Sutherland has received samples of Christmas holly which are up to the top notch in quality, but it is generally accepted that the supply will be light.

The Imperial plant food has received a good send-off in the form of high commendation from Kenneth Finlayson and John Barr, two of our most observant and successful growers. Mr. Barr's great set of specimen chrysanthemums that won first premium at this season's exhibition were fed with this stimulant.

Norton Bros. have secured as a branch store the excellently located place on Massachusetts avenue occupied by them as a branch two years ago.

W. A. Bock reports that there is no diminution in the phenomenal demand for Boston fern which he has been favored with this season.

D. Zirngiebel's mail is by far the heaviest received at the postoffice in Needham.

Wm. Donald was the guest of honor at the last meeting of the Horticultural Club.

Robert Montgomery has named his light pink sport from rose Mrs. Pierpont Morgan, the Mrs. Oliver Ames.

New York.

A BUSY WEEK.—PRICES TAKE A SHARP ADVANCE.—REASONABLY LARGE SUPPLY QUICKLY ABSORBED.—MANY PROMISES HARD OF FULFILLMENT.—A NEW FLOWER STORE.—NOTES AND COMMENT.

This has been a good week in the flower trade in many respects. Prices took a spurt at the beginning and were firm as a rock on Monday and Tuesday on all lines. At the market the boxes were scarcely opened before their contents were sold, often even without the formality of an examination, and at the various wholesale establishments crowds of buyers stood waiting for the arrival of every wagon load of stock. Wednesday saw the unavoidable reaction as usual on the day immediately preceding a holiday, there being considerably more material in sight, some of it, too, showing marks of retention in the ice box or cellar, and prices moderated considerably on medium grades of stock. The advance in quotations early in the week was so decided as to cause a doubt of its ultimate benefit, in the minds of unprejudiced observers. With the remarkably clear and salubrious weather, the available crop for a season of such moderate demand as that of Thanksgiving would appear to be ample and the raising of prices unaccompanied by an actual shortage is always quite risky. No stronger reason for the sudden advance is apparent beyond the rivalry of local wholesalers and the eagerness of growers to take full advantage of it, but events would seem to indicate that many promises hastily made will prove difficult of fulfillment and certain mutterings on the part of retailers suggest that this very important section of the trade is not disinclined to put an unpalatable protest into operation about the time Santa Claus' visit is due. Let us hope not, however. The variety on hand is fully up to the record for the season and quality ditto. Poinsettias, callas and an unusual proportion of bulbous flowers gives the florists' windows quite a Christmasy look which is further heightened by the frequent appearance of holly in window adornment.

J. N. Catlin and T. W. Satterthwaite are to open a new flower store a la Rosary, on Fifth avenue near Forty-second street, next week. These are young men belonging to the upper society set and their establishment will be christened "The Gallatin."

An effort is being made to awaken public interest in the preservation of what is left of the historic "Hamilton trees," which were planted by Alexander Hamilton in commemoration of the union of the thirteen original states. They are liquidambers and not elms or oaks as often mentioned.

Cleary & Co. are to have another sale of Japanese dwarf trees next Wednesday and Thursday, the last of the season. These curious objects always bring big money.

Mrs. A. S. Burns has been seriously ill with pneumonia this week.

J. N. May has returned from a western trip.

WHITE MARSH, MD.—R. Vincent, Jr., & Son have added two houses 25x100 during the past season and are now building a house 24x165 for early vegetable plants.

NYACK, N. Y.—Depew Bros. are among those who have found good money in ferns and their faith in the future of this line is shown by the fact that they have just completed two houses, 5800 square feet, for this stock.

Philadelphia.

BUSINESS TAXES THE MARKET.—EVERYBODY BUSY AND PRICES TAKE A LEAP.—CHRYSANTHEMUMS MOVE SWIFTLY.—POT PLANTS SAVED FROM THE BURNING.—AZALEAS ARE IN.—PALM MEN PROSPEROUS.—A DISCUSSION ON TREES.

There has been a marked change in the cut flower business the past week; it is not now, "things might be better," but it is a hustle all the time to get enough flowers together to fill the orders that continue to pour in like rain through a leaky roof. Everyone is in good humor and looking forward to a record breaking season. Thanksgiving seems to be challenging New Year's day for third place in the events of the season; it certainly was the best Thanksgiving trade up to date. The demand for the debutantes, which is very large this season, kept the market bare of any surplus and it was hard to get stock enough to satisfy the general calls for the holiday. Prices have taken another leap. Beauties are about $1.50 per foot of stem per dozen; that is, four foot stems bring $6 per dozen, and so on down. Teas are also climbing, $8 to $10 being asked for the extras. Carnations are, for the fancies, advancing rapidly; $6 is asked for select stock, Ethel Crocker and a few other kinds bringing this figure; $1.50 to $2 for good common stock is the price for the bulk of quick moving sizes. Lily of the valley and Romans bring $3 to $5; Paper Whites $3 to $4. Chrysanthemums are in great demand. Anything worth looking at moves quickly at $1.50 per dozen, a few of the larger sorts bringing $2, but they are nearly all cut out. A. Woltemate had a fine late pink which sold quickly at 30 cents each. R. Craig & Son offered a few of a large white, Wenonah, which moved fast at $2.50 per dozen. Charles Meehan cut a lot of Mrs. Jerome Jones which helped out nicely. It seems as if very many more of this fine variety should be grown for our market as it is a great seller. Violets were in great demand; $1.25 to $1.50 per hundred was asked for the best doubles, with $1 for good Californias.

J. Coles has had a great run on his potted chrysanthemums lately and has to hire extra wagons to help deliver. A large lot set aside for a department store man, some $140 worth, to be delivered Tuesday, was held until Wednesday morning. They were being loaded up when word was received that the store was in ashes, the delay proving a good thing in this instance, as the lot was closed out immediately to waiting customers.

H. H. Battles has a new wagon on the street, which is the cause of considerable comment as it passes by. It is very striking.

Jacob Becker and W. K. Harris are in with azaleas, having very nice plants of Deutsche Perle and Simon Mardner. Plants of all kinds are moving rapidly and many sizes are running short. In spite of the advanced price of building material we should not be surprised to see an increase in the glass among the palm growers the coming season.

A meeting of the horticultural and allied societies to further the planting of trees on our city streets was held in Horticultural Hall last Thesday evening. There was considerable discussion but no definite action was taken. K.

FULTON, N. Y.—D. A. Waterman has an unusually fine stock this season and sees bright prospects ahead of the trade.

Chicago.

PRONOUNCED SCARCITY OF STOCK FOR THANKSGIVING.—GOOD ROSES FAR TOO FEW AND CARNATIONS NOT UP TO DEMANDS. — OUTSIDE QUOTATIONS HOLD GOOD THROUGHOUT.—A BUSY WEEK SOCIALLY.—FIRE AT ZENDER'S.—HORTICULTURAL SOCIETY OFFICERS SATISFIED. —JOHNSON ENROUTE TO EUROPE.—VARIOUS JOTTINGS.

This has been a busy week for the wholesalers and not one of them has been able to supply the calls which were made upon his resources. The houses which protected their out of town orders to the greatest possible extent did so at the expense of their city trade and those who gave the local retailers anything like what they wanted were forced to decline many orders for shipment and to cut most of those from regular buyers. Stock was considerably shorter than a year ago and prices from one-third to one-half higher. The greatest scarcity was of good roses but there were too few carnations. The out-of-town people who received stock which they did not consider strictly good should utter no more than mild protests for there was not a flower which would not have been thankfully taken by the city trade, sometimes even at higher rates than those at which the stock was billed out. Few roses went out under 8 cents and really first-class blooms were good for 10 cents over the counter. For carnations 2½ cents and 3 cents was the prevailing rate for good ordinary and fancies went well up the scale. Everything held well up to outside quotations. The volume of the week's business was probably somewhat less than that of last year in quantity of stock, despite considerable increases in glass, but in money value a conservative estimate of the increase is twenty per cent.

As usual some growers declined to send in their stock on the second day before the holiday, which is always the big shipping day, and on Wednesday the market was somewhat easier, there being even too many carnations in some houses. If there is anything which makes a commission man boil it is to telephone to a grower for carnations on an afternoon like last Tuesday, to be told that not a flower is to be had on the place, and then have the grower send in from 400 to 700 the next morning.

Thanksgiving week has been an active one socially, in Chicago, and the leading retailers have had their hands full, being badly handicapped by the difficulty of securing stock. In keeping with the season and the state of the market, chrysanthemums have been largely used and in most instances effectively. Friedman had probably the largest order of the week, that for the Greenbaum-Mandel wedding at the Standard Club.

Messrs. John N. May and E. G. Hill visited a number of establishments in and around this city last week, but, unfortunately, could not call upon all the friends they wished to see during the brief period at their disposal.

The boiler shed at Adam Zender's caught fire early last week and the result might have been serious had not the fire engines arrived promptly. A considerable portion of the woodwork was destroyed, but otherwise the damage was slight.

The Horticultural Society of Chicago, at its directors' meeting at the Sherman House November 25, found a balance on the right side of the treasurer's report of the fall show and everyone is satisfied.

C. W. Johnson and family went to Detroit yesterday, proceeding thence to New York, from which point they sail December 13 on the St. Louis for a Christmas visit at their old home in England.

Kennicott Bros. Co. reports the past ten days' business to have been far in excess of last year, in fact the best they have ever known for the corresponding period.

Wietor Bros. were able to cut thirty dozen of the longest stemmed Beauties last Wednesday and they all went at $6 a dozen with a demand for more.

Captain H. Schuenemann has the schooner Mary Collins and his annual cargo of Christmas greens safely berthed at the Clark street bridge.

Some of the plantsmen already have rose and carnation cuttings ready for delivery.

Mr. and Mrs. A. G. Prince welcomed a son at their home at Downer's Grove, November 26.

The rose men are already felicitating upon the assurance of a good cut for Christmas.

Mrs. Flint Kennicott has been quite ill this week.

Visitors: Mrs. A. H. Bunde, St. Paul; Nelson and James Cole, also James Cole III., Peoria, Ill.

Buffalo.

TRADE ON THE EARLY AUTUMN LEVEL.—A FEW GOOD ORDERS.—STOCK SCARCE.—PALMER GOING EAST.—A NOVEL ADVERTISEMENT.—SEEN AT KASTING'S.—OTHER JOTTINGS.

With weather almost like September, trade is on about the same level. On Thursday of last week three of our most prominent families introduced their daughters, thereby giving us one good day. Indications point to a good Thanksgiving trade and, with fair weather the day before, I think all will be satisfied. Chrysanthemums will bid us adieu after this week, with the exception of those from the growers who are late with everything. Roses are not over plentiful and carnations very scarce. American Beauties are retailing at from $7 to $12 per dozen with only a limited sale. Violets it is almost impossible to get at any price. Lily of the valley, Romans and narcissi are plentiful. It hardly seems possible that Christmas is so near but it is nevertheless so, for every mail brings us the usual catalogues of the finest holly, pine and other greens.

W. J. Palmer, Sr., was in the city last week. He is going east for a visit among the growers to see whether his Daybreak can be beaten, but I think he will return feeling as good as when he went away, for they are fine.

D. B. Long has a very pretty poinsettia novelty for Christmas in card and calendar form.

A Loeffler, Jr., and wife, of Washington, who are on that most joyful of journeys, their wedding trip, called on us this week. They were doing Buffalo and Niagara Falls. Mr. Loeffler is with A. Gude & Brother.

One of our florists had for a Thanksgiving advertisement a large turkey of galax and had it on his wagon for show. From the color of course the bird was supposed to be roasted.

It seems heartless of the men to crowd around a box of carnations at Kasting's and take no notice of the timid lady buyers, but when you have got to get your share of a few hundred flowers a dress does not seem to count. Mr. Kasting is out of politics and can now be found at 481 Washington street at any time. W. A.

Miami, Fla.

The weather is perfectly delightful, warm, sunny days that remind us of the lovely June days at the north. The nights are cool and pleasant, with heavy dews and but little rain. Roses are loaded with bud and bloom; there are no aphis, red spider or mildew on the flowers here. Dickerson & Belden are building slat houses over their roses, carnations and palms.

This part of the state is the home of the palm, every variety making wonderful growth either in pots or tubs or planted in the open ground. Cycas revoluta is perfectly at home here. There is a native, Zamia integrifolia, that makes a handsome pot plant and is offered for sale by some of the leading florists. Pot grown plants are often mistaken for small Cycas revolutas.

On the grounds of the Royal Palm Hotel is the largest cocoanut grove in the United States. The trees are planted in rows and as one walks through this beautiful park he seems to be passing gray stone columns, capped with long, waving, golden-green leaves which curve gracefully out from the top like overgrown ostrich plumes. Great masses of yellowish white flowers hang down, so fragrant and full of honey as to be fairly covered by the bees. After the bloom comes the fruit, great green nuts, like a bunch of giant grapes.

Agaves of all varieties make splendid growth on the sandy land, requiring no care at all. At Fort Dallas are several fine plants of Agave recurva, throwing up mammoth flower-stalks. Agave rigida is a very handsome native variety often seen in bloom here; it is a beauty from the time it is four inches in diameter until full grown and is fine for a pot or bedding plant.

Tecoma stans is fairly loaded with its great, golden bouquets of gloxinia-like flowers and bids fair to produce a good crop of seeds. POINCIANA.

SYRACUSE, N. Y.—F. G. Lee is building a large greenhouse on Hurd street and proposes supplying a part of the public demand.

ANDOVER, MASS.—The Florists' and Gardeners' Club held a banquet on November 10, seventeen members being present.

TURNER, ME.—Mrs. S. T. Goodspeed has enlarged her capacity for raising carnations for the Lewiston and Auburn markets.

UTICA, N. Y.—Robert Boyce has secured possession of the greenhouse property at the corner of Genesee street and the cemetery road.

DANVILLE, ILL.—Frank R. Smith has finished the removal of his greenhouses and is now well situated. He will carry a stock of goldfish.

KNOXVILLE, TENN.—C. W. Crouch and C. L. Baum have each had shows at their stores, attracting many admirers of the queen of autumn.

HARTFORD, CONN.—M. C. Eddy has purchased the "tunnel greenhouses" 14 Windsor avenue, and renovated and re-stocked the establishment.

CLINTON, IA.—Andrew Bather's method of gaining prominence for his display of chrysanthemums was to give the show for the benefit of Agatha Hospital.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

WIETOR BROS., of Chicago, are having much success with Evanston carnation as a pot plant.

THE catalogue houses in the mail plant trade are agitating the question of readjusting prices on a more profitable basis.

THE holly situation continues to interest jobbers and good weather will be necessary if all orders are to be completed on time.

THIS is the time to prepare for a general rise in prices for spring stock, not by increased production, but by ensuring the highest quality in your plants.

WE beg to acknowledge the receipt of a copy of the proceedings of the Society of American Florists at the annual meeting, Detroit, Mich., August 15-18, 1899.

BOUQUET green was referred to in our last issue as over supply; another week only emphasizes the fact; some of the stray lots are very inferior and poorly packed.

CALDWELL, the evergreen man of Alabama, with his new catalogues sends us some samples of a very good southern cigar. Brother Caldwell will oblige by giving the name of the brand.

NOW that heavy firing has become necessary, care should be taken that boiler sheds constructed of wood and such inflammable materials as they contain are not ignited by careless workmanship or defective apparatus.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Conard & Jones Co. register Canna Olympia, height, two and one-half to three feet, foliage green, spike erect, medium to large, flowers medium size, pinkish violet purple showing bluish tinge later. WM. J. STEWART, Sec'y.

Diseased Callas.

ED. AM. FLORIST:—For the past two weeks my callas have been rotting just as were those described in the query of L. G. F. C. answered in your last issue. I have about 100 bulbs which were purchased this year and 400 which I carried over; the fresh stock is suffering more than the old. The new bulbs were planted September 9. They did not look right when I received them, being shriveled, and some of them rotted without sending up more than two or three inches of growth. The carried over stock was started afresh on July 25, in clean pots and good soil that had not been used before. A little bone meal was added but no other stimulant has been given except two applications of nitrate of soda. I have regularly grown a good many callas and this is the first time I have had trouble. I am now applying nothing but pure water in reasonable quantities. We never use manure water until the first part of February, as callas do not seem to require extra stimulant until the days are longer. I have thought of putting on a top dressing of sulphur mixed with fresh soil for I do not know of anything else which will help the rotting bulbs. B. F. E.

Keep Tooting.

If you toot your little tooter and then lay aside your horn,
There's not a soul in ten short days will know that you were born.
The man who gathers pumpkins is the man who plows all day.
And the man who keeps a humping is the gent who makes it pay.
The man who advertises with a short and sudden jerk
Is the man who blames the printer because it didn't work.
The gent who gets the business has a long and steady pull,
And keeps the paying paper for years and years quite full.
He plans his advertisements in a thoughtful, honest way,
And keeps forever at it until he makes it pay.
He has faith in all the future, can withstand a sudden shock,
And like the man of Scripture, has his business on a rock.

—After Kingsley Times.

Greenhouse Building.

Necedah, Wis.—Wesley S. Horton, one house.

Tiffin, O.—Lewis Ulrich, large asparagus house.

Milwaukee, Wis.—Pohl & Kraus, house 20x65; potting house 18x50.

Mystic, Conn.—J. W. Pollard, one rose house.

Brattleboro, Vt.—Wm. Estey, house 15x100.

West Medway.—Clinton Howe, one greenhouse.

Stillwater, Me.—W. L. Clements, forcing house 20x50.

Hillsdale, Mich.—S. J. Shank, one house.

Catalogues and Cut Flower Price List Received.

A. Y. Cathcart, Bristol, Ind., berries, flower roots and bulbs; J. H. H. Boyd, Gage, Tenn., forest seedlings; Holton & Hunkel Co., Milwaukee, Wis., florists' supplies; Osman & Co., London, England, horticultural sundries; Vaughan's Seed Store, Chicago, Ill., holiday decorative materials; Welch Bros., Boston, Mass., cut flowers; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers; C. C. Pollworth, Milwaukee, Wis., cut flowers; Kennicott Bros. Co., Chicago, Ill., cut flowers; A. G. Prince & Co., Chicago, Ill., cut flowers; E. C. Amling, Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., cut flowers; Holton & Hunkel Co., Milwaukee, Wis., cut flowers.

A Detroiter's Expedient.

In large cities a well organized street car system is one of the greatest conveniences to nearly all kinds of business, especially so to the florist in sending messengers with small deliveries on quick time, and in some cases the cars can be made a still more important convenience. Last week I had a very large church wedding, the distance by street about four miles, distance by street cars about six miles. I chartered two special cars to be at my place as soon after midnight as the ordinary traffic was off the line. We had the cars loaded at 1 a. m. and at the church entrance by 1:30; the cars were unloaded and the men home before 2:30. During the day the plants were arranged and the church decorated in short order, while the horses and drivers were working elsewhere. The next night the cars were at the church at the same hour, the plants loaded and all safe at home soon after 2 a. m. Not a leaf was broken or any other damage done, although the plants were loaded very quickly and packed very closely. Cars are fine things to pack large palms in, as so many can be packed in regardless of size and weight. S. TAPLIN.

Flower Shows.

A lively discussion on the advisability of holding a spring flower show took place at the November meeting of the Pennsylvania Horticultural Society. The main objection to a spring show seemed to be that it would not pay. That is to say the gate receipts would not equal the prize money and other expenses and the society would be "in a hole."

This is the same old argument that has been dinned into us for many a year, and not only in Philadelphia. Even in New York this seems to be the main bug-a-boo. Of course if a horticultural society or other organization has a steady income for the promotion of shows, like Boston, for instance, all is plain sailing.

But because the society has not the funds and cannot make enough at the gate to pay expenses is that a reason for sitting still and doing nothing? John Westcott, Robert Craig, John Burton and other speakers at the Philadelphia meeting struck the true key note when they pointed out that there are other ways of making ends meet without calling on the hard-working commercial florist to put his hand in his pocket to make up a deficit. First there is the assumed feasibility of having a show without money premiums and after discussion there seemed to be a general opinion that something could be done in this way, although it was admitted that money prizes are the great attraction for many, especially the private gardeners.

Secondly it was urged that a strong effort should be made to get the wealthy citizens to put some of their surplus cash into this channel as a powerful means for the advancement of horticulture. That they would contribute liberally if properly approached is generally believed; the great difficulty is to find the proper party to approach them. Those who can have not the time and those who have the time have not the aptitude. It is along this line, however, that work should be done and it should be no spasmodic effort but a systematic campaign, year in and year out. The claims of a horticultural society to the support of the wealthy should be constantly preached in order to impress the proper sentiment among the public generally. Thousands and thousands are being spent all over the country for far less worthy purposes. Unless it be in Boston or Pittsburg how often do we hear of any money being left for the advancement of horticulture?

To hark back to the Philadelphia discussion on the spring show revival, Robert Craig pointed out that a large number of commercial growers would be glad of the opportunity to exhibit their new things at that time for the society's certificate and that the public would be much enlightened and pleased with a

great many plants which it is impossible or impracticable to show in the fall. I think it was Jno. Westcott who first urged dividing off the show into good sized spaces and allotting them to the commercial growers to make the best effect with their best products as their donation for the advancement of horticulture. As a matter of fact the growers have many of them for years donated their money premiums for the good of the society and the absence of money inducement is therefore more in seeming than reality.

In getting up a spring show on the lines roughly indicated above, one thing ought not to be forgotten, and that is to use every means of getting a good crowd. The present administration of the Pennsylvania Horticultural Society seems to be mortally afraid of free tickets, either for press services or anything else. They have been curtailing for several years in this direction and yet their receipts at the gate dwindle. A change of heart is necessary in that direction. Complimentaries judiciously distributed for press or advertising services will not hurt receipts. They will help them, and they only cost the printing. And when people exhibit without money reward they are surely entitled to have more than a baker's dozen come to see. They don't care whether the visitor paid at the gate or not. The vexed question of whether a 25 or 50-cent rate pays best is answered differently, depending on whether it be the exhibitor or the management that answers. The 25 cents will bring more people but it has not been found that it brings twice as many. So the management sticks to 50 cents. Sometimes a compromise is made of 50 cents all day and 25 in the evening, the argument being that only the wealthy have leisure to attend during the day and 50 cents is as easy as 25 cents to them. I doubt the soundness of this argument. I think it worth experiment to make it 25 cents all day and 50 cents in the evening in order to equalize the crowd. Evenings are always uncomfortably crowded, both 50 and 25 cent rates, but I think they would not be if a 25 cent rate was made during the day and 50 in the evening.

G. C. WATSON.

Tiffin, O.

GOSSIP OF A VISIT TO LEWIS ULRICH.—GOLDEN GATE IN FINE FORM.—COMPARATIVE MERITS OF CARNATIONS.—ASPARAGUS A GOOD CROP.—BUSINESS GOOD.—AN UNUSUAL DECORATION.

The more I look at the Golden Gate rose, as grown by Lewis Ulrich, the more I wonder why it has not become more popular with our growers. Size, color and stem, coupled with the fact of its other excellent qualities should place it side by side with such standards as Brides and Bridesmaids. Another thing in favor of this rose is the ease with which it can be grown. Given the usual soil for teas and a temperature of 58° to 60° it will thrive and produce splendid blooms. However, the Golden Gate is not the only rose that is doing well with Mr. Ulrich. His Meteors, Perles, Brides and Bridesmaids are in prime condition, with not a speck of mildew or a deformed bud. His carnations, likewise, are doing splendidly. Among the pinks Painted Lady is Mr. Ulrich's favorite, for it has surpassed its rivals in both length of stem and size of flowers. Among his whites it would be hard to choose between Flora Hill and Storm King, while White Cloud and Evelina, the latter somewhat low in growth, look well. In fancies Mrs. Bradt takes the lead, Sandusky and Armazindy being close seconds. Meteor and Empress are grown side by side and, as usual, the former is lacking in quality, the latter in quantity. Asparagus plumosus nanus is grown in quantity, both for strings and in pots and is in increased demand. It is Mr Ulrich's intention to extend his facilities and to make a special feature of this line. A house thirty-five feet high, expressly adapted for the purpose of growing asparagus, will be added in the spring.

Business is all that could be desired. The most notable society event of the season was that of the Huhn-Stricker wedding. Given a carte blanche order, Turner Hall, the largest in the city, was transformed into dreamland. Seven loads of magnificent palms and decorative plants supplied the basis of the work and suspended from the ceiling was a mammoth canopy, made of Asparagus plumosus nanus, adiantum and studded with Brides and Bridesmaids, the whole brilliantly illuminated. The effect, to put it in the words of the average society reporter, was "simply charming."

HOMO.

St. Louis.

TRADE IS EXCELLENT AND STOCK SCARCE.—HEAVY RECEIPTS EASILY CONSUMED.—A GOOD THANKSGIVING.—MEETING OF THE CLUB.

Stock of all kinds is very scarce in this city. There seems to be a plenty coming in but it is all bought up and from the way things look around the wholesale houses one would think that trade is rushing; and it is in some respects, especially in funeral work. Out in the West End they are busy with receptions and weddings. Thanksgiving day prices took effect on Wednesday and the figures are high. Select roses are quoted at $6 and $8 while the lower grades bring $4 and $5. Beauties are very scarce and bring top prices, as high as $6 per dozen. Violets are away up at $1 per 100 for the best. Carnations are plentiful and sell well. It is the opinion of all that Thanksgiving trade was as good if not better than in former years.

We hope for a large attendance at the next meeting of the Florists' Club, which will be held on Thursday, December 14. Two essays will be read by prominent members and some argument is likely to arise regarding our last show.

LOUISIANA.

Milwaukee.

WARM WEATHER HAS NO BAD EFFECT ON TRADE.—STEWART RE-EMBARKS IN BUSINESS.—THE PARK CHRYSANTHEMUMS.—ANOTHER CHANGE IN SIGHT.

The weather continues to be more like April than November and although the price of coal is quite high, the sunshine and warmth has enabled greenhouse men to keep their coal bills below last year thus far. Sales are in no way diminished by the favorable weather and delivery is easier and with less damage to stock.

Edwin H. Stewart, formerly of Volk & Stewart, has opened a store in the Second Ward Bank Building, 675 Third street, where he will conduct a general business under the name of Edwin H. Stewart Floral Co.

The daily press has been giving extended notices of the free chrysanthemum show at Mitchell Park conservatories and it is reported that as many as 3500 people visited it in one day. The chrysanthemums were a second-class lot and it is generally considered by those who take an interest in flowers as being poor judgment in the management to make so much ado about such poor results after such a large expenditure of money.

Negotiations are in progress by which the personnel of the wholesale market here will undergo another change. C. B. W.

OBITUARY.

MRS. O. L. BAIRD.

Mrs. O. L. Baird, wife of the Dixon, Ill., florist, died at the Chicago Homeopathic Hospital, November 23, aged 33 years.

MICHAEL RYAN.

Michael Ryan, florist at Ardsley Towers, Dobbs Ferry, N. Y., died November 10 after a long illness. Requiem mass was celebrated at the Church of the Sacred Heart on the following Monday, interment being at Newburgh.

JOHN WOOD.

On September 24 John Wood died at Kirkstall, Leeds, England, aged 57. He was well known for his notes on hardy plants in *The Garden*, London, and for his Hardy Plant Club. His plant label is now in use in many American establishments, notably at the new Botanical Gardens at Bronx Park, New York.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J. A. T., care American Florist.

SITUATION WANTED—By young man as assistant in greenhouses. Experience equivalent to about four years. To begin about Jan. 1st. Address W. S. VAN DOREN, Morengo, Wash.

SITUATION WANTED—By a good all-around man, twelve years' experience; could take charge of small place; am good on designs; married, no children. Address FLORIST, 1202 Frye Ave., Peoria, Ill.

SITUATION WANTED—As working foreman or to take charge of section, by experienced cut flower grower; terms, plant and premises; held position with leading growers; single German, 12 years in this country. Address C., care American Florist.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—Good grower to take charge of two houses bedding and forcing stock. Address DEGNAN, care Vaughan's Seed Store, 84 and 86 Randolph St. Chicago.

WANTED—Young man with some experience in greenhouse work. Good chance to work up. Give full particulars in first letter. FREMONT GREENHOUSE, Fremont, Neb.

WANTED—All-around man, with judgment and experience, to assist in greenhouse and take care of boiler. Steady place $45 per month, board and room. O. R. DEMMLER, Eau Claire, Wis.

FOR SALE OR LEASE—Thirty acres land suitable for florist purposes, 175th St. and Ashland Ave., Chicago, near I. C. R. R. Favorable terms. Address C. T. REYNOLDS, 6158 Ingleside Ave., Chicago.

FOR SALE—Who wants a chance to secure a home and a business with but small investment? Dwelling and 4000 ft. of glass; no competition. Good thing. Only $800 required. Address GOOD CHANCE, care American Florist.

FOR SALE First-class well established Florist Business, located in central part of city of about 20,000 population. Have 11,000 sq. ft. of glass with all modern improvements, a fine stock and everything in first-class condition. Without a doubt a bargain as to-day the glass could not be bought and put up for the price I will sell for. Any live florist with money can purchase a fine range of glass very cheap. Good reasons for selling. Don't inquire unless you mean business. Address BUSINESS, care AMERICAN FLORIST.

Springfield, O.

Greenhouse men and florists of the city met recently in the office of the Good & Reese Co. for a conference in regard to forming an organization of the various firm members. The proposed organization will consider all matters of interest to local firms, both of a scientific and business nature. As Springfield is one of the leading horticultural cities of the country the organization may become general in the future. McGregor Brothers, the George H. Mellen Company, Schmidt & Botley, the John A. Doyle Company, the Good & Reese Company and the C. A. Reeser Company, of Urbana, were represented at the meeting. A committee was formed to draft a constitution and by-laws and report at an early date.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

G. L. HUSCROFT & CO.,

Wholesale Florists,

444 Sixth Ave., PITTSBURG, PA.

Long Distance Phone 2985.

CONSIGNMENTS SOLICITED.
We command a good market.

Wholesale Flower Markets

CINCINNATI, Nov. 30.

Roses, Beauty, select	25.00@35.00
" medium	8.00@15.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	4.00@ 6.00
" Perle	3.00@ 4.00
Carnations	1.50@ 2.00
" fancy	2.50@ 3.00
Lily of the Valley	4.00
Violets	.75@ 1.00
Narcissus	3.00@ 4.00
Chrysanthemums	5.00@12.50
Roman Hyacintha	3.00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Galax Leaves	.15

ST. LOUIS, Nov. 30.

Roses, Beauty	10.00@20.00
" fancy	25.00@50.00
" Bride, Bridesmaid	6.00@10.00
" Meteor	6.00@10.00
" Perle, Wootton	5.00@ 8.00
Carnations	2.00@ 4.00
Lily of the valley	4.00@ 5.00
Violets	1.50@ 2.50
Narcissus	3.00@ 4.00
Romans	3.00@ 4.00
Stevias	1.00@ 1.50
Chrysanthemums	5.00@12.50
" fancy	15.00@20.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Nov. 30.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " medium " "	1.50@ 3.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	6.00@ 8.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8.00
Carnations	2.00@ 4.00
Chrysanthemums, ordinary	6.00@10.00
" fancy	15.00@25.00
Stevias	1.50@ 2.00
Adiantum	1.00
Common ferns	.25
Smilax	.8.00
Asparagus	60.00

PITTSBURG, Nov. 30.

Roses, Beauty	10.00@50.00
" Bride, Bridesmaid	4.00@10.00
" Meteor	6.00@12.00
" Kaiserin	4.00@10.00
" Perle	4.00@10.00
" Cusin	4.00@ 6.00
Carnations	1.50@ 2.00
Lily of the valley	3.00@ 4.00
Violets, double	.75@ 1.00
" California	.50@ .60
Chrysanthemums	5.00@20.00
Narcissus Paper White	2.00@ 4.00
Roman Hyacintha	3.00@ 4.00
Smilax	12.00@15.00
Wild Smilax, per case 3.50@5.00	
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	.35
" strings	35 to 50c
Sprengerii, bunches	35 to 75c

ORCHIDS. VALLEY... FERNS.....

TWO TENDENCIES have recently made their appearance in modern commercial life.

Specialization.

Direct dealing.

By specializing and confininiog his energies to one or two lines of products, the producer finds that he can put forth a better article than his competitor.

By direct dealing with the producer, the consumer finds he can get a better article at the price of an inferior one.

THE special products of the Rosebank Nurseries are Orchids, Valley and Ferns.

The Orchids are the best in the market, both in point of variety freshness and beauty of bloom. Cattleyas, 50c.; others, 15c. per bloom.

The Valley, of an especially high grade, is offered on yearly contract at $3 per 100; on single orders, at $3.50.

The Ferns (Adiantum), unequalled in freshness, size and strength of fronds, are sold at the regular price of $1 per 100. These special products are sold direct to the retail florist.

W. A. McFADDEN,
"ROSEBANK."
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower.

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

HOLTON & HUNKLE CO.

Wholesale Florists,

457 Milwaukee St., - MILWAUKEE, WIS.

Leather Bound

copies of the new edition of our DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada, arranged both by states and towns and alphabetically. Price, $3.00; in board covers, $2.00.

American Florist Company,

324 Dearborn Street, Chicago.

J. B. DEAMUD,

51 WABASH AVE., CHICAGO.

PRICE LIST:

	Per 100.
AM. BEAUTIES, Ex. long	$35.00 to $50.00
" 24-inch	25.00 to 30.00
" 20 "	18.00 to 20.00
" 15 "	12.50 to 15.00
" short	8.00 to 10.00
BRIDES, MAIDS	4.00 to 6.00
METEORS, KAISERINS	5.00 to 8.00
PERLES	3.00 to 5.00
CARNATIONS	2.00 to 2.50
" fancy	3.00 to 6.00
VALLEY	4.00 to 5.00
VIOLETS, double	1.50 to 2.00
" single	1.00 to 1.25

	Per 100.
SMILAX	$12.50 to $20.00
ADIANTUM	.75 to 1.00
ASPARAGUS	50.00
FANCY FERNS	$2.00 per M. .20
IVY LEAVES	.50
GALAX	$1.25 per M. .15
WILD SMILAX. No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.00
No. 4 " 35 lbs.	4.00
No. 5 " 40 lbs.	5.50
No. 6 " 50 lbs.	7.00

☞ Prices subject to change without notice. P. AND D. AT COST.

CHRYSANTHEMUMS, $6.00 to $25.00 per 100.

J. B. DEAMUD, 51 Wabash Ave.,

Successor to Illinois Cut Flower Co. CHICAGO.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS. FULL LINE OF ALL Florists' Supplies

HOLLY and GREEN.

We can meet the quotations of any reputable Western House.

REINBERG BROS.

...WHOLESALE...

Growers of Cut Flowers

800,000 FEET OF GLASS.

We can fill orders on short notice with all leading varieties of ROSES and CARNATIONS.

We ARE Headquarters for fine AMERICAN BEAUTIES.

SALESROOM, 51 Wabash Ave., CHICAGO.

Mention The American Florist.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

KUHL, PEKIN, ILL.

now ready to fill orders for

ROSES, CARNATIONS, 'MUMS, SMILAX, FERNS AND ASPARAGUS.

Write him. Get orders IN EARLY for THANKSGIVING.

GALAX LEAVES.

Beautiful Green and Bronze, 50 cts. per 1000.

Address W. H. WILLIAMS & BRO., Victoria, Macon Co., North Carolina.

Wholesale Flower Markets

CHICAGO, Dec. 1.

Roses, Beauty, extra long stems	5.00@6.00
" " 24 inch "	3.00@4.00
" " 20 " "	2.00@2.50
" " 15 " "	2.00
" " 12 " "	1.50
" " 8 " "	1.00
" Bride, Bridesmaid	6.00@8.00
" Perle	4.00@6.00
" Meteor	6.00@8.00
" Kaiserin	6.00@8.00
" La France	6.00@8.00
" Golden Gate	8.00@10.00
Carnations	2.00@3.00
" fancy	4.00
Violets, double	1.00@2.00
" single	.50@1.00
Lily of the Valley	4.00
Cattleyas per doz.	6.00
Dendrobiums	3.00
Chrysanthemums, medium	2.00@6.00
" long	10.00@25.00
Mignonette	1.00@2.00
Roman Hyacinths	2.00@3.00
Narcissus	3.00@4.00
Adiantum	.50@1.00
Common ferns	.15
Fancy Ferns	.20
Smilax	10.00@20.00
Asparagus	50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

Please mention the American Florist when writing.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

705 PENN AVE. 'PHONE 2157.

Am. Beauties — Violets — Roses

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT 1763 A.D. COL. BOQUET. PITTSBURGH, PA.

CONSIGNMENTS SOLICITED.

Florists' Supplies

Tell your wants in the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per 100. Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Strings 10 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

HARDY CUT FERNS



FANCY DAGGER

In 1000 lots, $1 per M. Discount on larger orders. Also dealer in Sphagnum Moss, Bouquet Green. Also wholesale dealer in Christmas Trees and Baled Spruce for cemetery use. Special attention paid to supplying in carload lots.

L. B. BRAGUE, Hinsdale, Mass.

It is good business policy to mention the American Florist when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Nov. 29.

Roses, Tea	2.00@ 3.00
" extra	8.00@10.00
" Beauty, extra	30.00@40.00
" " firsts	10.00@15.00
" " seconds	6.00@10.00
Carnations	1.50@ 2.00
" fancy	2.50@ 6.00
Lily of the valley, Romans	3.00@ 5.00
Violets	1.00@ 1.50
Asparagus	35.00@50.00
Smilax	15.00@20.00
Adiantum	1.00

BOSTON, Nov. 29.

Roses, Beauty, extra	25.00@40.00
" " medium	10.00@20.00
" " culls	3.00@ 5.00
" Bride, Bridesmaid, Meteor	8.00@12.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.00@ 4.00
Lily of the valley	2.00@ 4.00
Violets, single and double	1.00@ 1.50
Romans, Paper White Narcissus	2.00
Chrysanthemums	2.00@ 6.00
" special	8.00@12.00
Mignonette	4.00@ 6.00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

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1122 PINE STREET,

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A complete line of Wire Designs.

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LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

: Successors to WM. C. SMITH,

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1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

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WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

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3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

BOSTON FLORISTS' EXCHANGE....

HEADQUARTERS for choice Roses, Violets, Carnations and Chrysanthemums.

Consignments Solicited....

22 Chapman Place, BOSTON, MASS.

J. M. COHEN, Prop. TELEPHONE 2385

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. rice list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
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WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower, Ashtabula, Ohio.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Nov. 29.

Roses, Beauty select	25 00@40 00
" " medium	15.00@20 00
" " culls	2 00@ 5 00
" Bridesmaid, Bride, Morgan	6 00@10 00
" Kaiserin, Meteor	8 00@12 00
Carnations	1 50@ 2 50
" fancy	3 00@ 5.00
Lily of the valley	2 00@ 3 00
Violets	1.50@ 2 00
Romans, Paper White Narcissus	1.00@ 2.00
Chrysanthemums	.50@ 6 00
" fancy	12 00@15 00
Mignonette	6 00@ 8 00
Callas	8 00@10 00
Cattleyas	35.00@50 00
Smilax	8 00@12 00
Asparagus	35 00@50.00
" Sprengerii, per doz. bunches	1@1 50
Adiantum	.50@ .75

BUFFALO, Nov. 30.

Roses, Beauty	10.00@60 00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
" Perle, Niphetos	3 00@ 5.00
" Kaiserin	3 00@ 8.00
Carnations, ordinary	1 00@ 2 50
" fancies	2.50@ 3.50
Lily of the valley	3.00@ 4.00
Violets	1.00@ 2 50
Chrysanthemums	3.00@15 00
Narcissus Paper white	2 50@ 3 00
Roman Hyacinths	3.00@ 4 00
Harrisii	20 00@25 00
Stevias	1.00@ 1 25
Smilax	12 00@15.00
Adiantum	.75@ 1.00
Hardy Ferns	.15
Galax leaves	.15
Asparagus	40.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

GREEN GALAX, NEW CROP NOW READY
FINEST BRONZE FROM COLD STORAGE
FOR PRICES ADDRESS THE INTRODUCER,
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.
Please mention the American Florist when writing.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply CHRYSANTHEMUMS in best quality and any quantity. VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's ..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

NOW
'MUM'S
THE WORD.
ALL SIZES, COLORS, PRICES.
PACKED CAREFULLY.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity. Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE anxiety to cover prospective wants in beans keeps the prices on the scarce items of the list on the upward grade all the time.

PROVIDENCE, R. I.—A. M. Rennie, with W. A. Potter & Co., was married on Wednesday, November 29, and is in New York on his wedding trip.

W. ATLEE BURPEE & Co. have issued a circular announcing the award of $238 in prizes to seventy-six winners in the competitions announced in Burpee's Farm Annual for 1899.

WE are in receipt of a copy of the annual report of the Secretary of Agriculture from which we are pleased to note that the department is making an effort to conform to the original spirit of the law in seed distribution by the importation and distribution of what is rare and valuable.

The Flax Seed Market.

DULUTH, Nov. 24.—Firework in flax was witnessed on the board of trade and shorts bid prices up 6 cents a bushel to $1.37½ for November seed and as high as $1.36½ for spot flax. They got about 80,000 bushels. Two commission houses are said to be sweating blood in their efforts to get flax to fill their contracts. Shippers that have been buying flax for the trust are the longs. Receipts were 52 cars to-day. They are anxious to get all contracts for November seed closed so as to put it afloat before lake insurance advances.—*St. Paul Pioneer Press.*

BULBS. LOW SPECIAL OFFER. Per 100

SINGLE HYACINTHS, named varieties	$4 80
" " " colors	3 75
TULIPS, SINGLE EARLY, mixed	.60
" " LATE, "	.70
" DOUBLE EARLY, "	.70
" " LATE, "	.65
" PARROT, mixed	.75
CROCUS, mixed	2.35
NARCISSUS POLYANTHUS, yellow, mixed	1.00
" VON SION	1.30
ANEMONES, single, mixed	.75
" double, "	1.10
OXALIS BOWIEI	1.00
" VERSICOLOR	.75
SCILLA SIBERICA	.75
CHINESE LILIES	4.00
FREESIA REFRACTA ALBA, large	.75
LILIUM HARRISII, 5 to 7	3.25
" " 7 to 9	8.00

Order at once. Terms cash. **H. L. HOLMES, Harrisburg, Pa.**

THE EARLIEST
CARQUEIRANNE BULBS!
in ripe perfection and of the highest quality.
Roman Hyacinths, Narcissi, Freesias, Etc.
Write for lowest quotations direct from the grower.
A. BERNARD, Carqueiranne (Var) France.

We Have a Surplus of some varieties of Carrots, Celery, Cucumbers, Sweet Corn, Lettuce, Musk-melon, Water-melon, Onions, Radishes, Pumpkin, Squash and Tomato Seeds. We have large stocks of Red and Alfalfa Clover, Meadow Fescue, Millet and other Grass Seeds, Sorghum, Kaffir, Broom and Field Corn, Sunflower and Tree Seeds. If interested, please correspond with us. **KANSAS SEED HOUSE,**
F. Barteldes & Co. Lawrence, Kans.

FLORISTS, SAVE MONEY
Read What We Have to Offer This Week. But Don't Think Too Long Before Ordering.

SEMPLE'S BRANCHING ASTER. New crop and grown with extreme care at our own trial grounds at Floracroft. Separate colors, Red, White and Pink, at 75c per oz. Choice Mixed, 50c per oz., $6 per lb.
SALVIA SPLENDENS. Our 'Floracroft' strain and cannot be excelled. Per oz., $1.00; per lb., $12.00.
TUBEROUS ROOTED BEGONIAS. Just received and in excellent condition—Single, Separate Colors, Scarlet, Red, Rose, Yellow and White—per doz., 40c.; per 100, $2.50. Double, Mixed, per doz., 75c; $5.00 per 100.
GLOXINIA CRASSIFOLIA ERECTA. An invoice just received from a celebrated Specialist, whose bulbs will give you the most satisfactory results. Per doz., 50c; per 100, $3.00.
LILIUM HARRISII (Bermuda Grown), 5-7, $4.25 per 100; per case 400 bulbs, $14.00 per 100.
LILY OF THE VALLEY PIPS. Berlin Sand Grown, 3 years old, $10.00 per 1000; per case (2,500), $23.00.
ENGLISH MUSHROOM SPAWN. New shipment. $6.50 per 100 lbs.
TOBACCO STEMS. Don't buy elsewhere 'till you get our prices, as we can save you some money.

WRITE US YOUR WANTS IN TULIPS, HYACINTHS AND NARCISSUS.

JOHNSON & STOKES, 217 and 219 Market St., PHILA., PA.

Not too late to plant for EASTER FLOWERING
LILIUM LONGIFLORUM.—To clear out stock we offer at

5x7	per 100, $2.25. Case of 500. $10.50	7x9	per 100, $6.00. Case of 300 $17.00
6x8	per 100, $4.00. Case of 450 $15.00	9x10	per 100, 10.00.

JUST RECEIVED, Tuberous Rooted Begonias, extra fine, large bulbs, single, separate, white, rose, red, yellow, orange, doz., 40c; 100, $3; 1000, $25. Double, fine, separate colors, doz., 75c; 100, $5; 1000, $40. **GLOXINIA crassifolia erecta,** exceptionally fine, dozen, 50c; 100, $3.00. **PLANT EARLY.**
ADDRESS **H. H. BERGER & CO.,** ESTABLISHED 1878. **47 Barclay St., New York City.**

Agent Wanted!
Leading continental manufacturer of Flower Baskets wants a well introduced Agent for the United States of America.
Apply stating references to
J. C. W. Thoolen, Jr.,
AMSTERDAM, (Holland).



WIBOLTT'S "SNOWBALL."
GENUINE DANISH SEEDS
ONLY DIRECT FROM
R. WIBOLTT, Seed Grower,
NAKSKOV, DENMARK.
SPECIALTIES: Cabbage Ball Head and Cauliflower Wibolti's Snowball.
Awarded highest prize St. Petersburg, May, '99.
LILY OF THE VALLEY PIPS.

ESTABLISHED 1802
THORBURN'S SEEDS
Chinese Sacred Lilies, splendid large bulbs. $4.00 per basket of 100.
Finest Lily of the Valley Pips. Send for quotations.
Spiraea Japonica, at $3.00 per 100. 27.00 per 1000.
" " **Compacta Multiflora,** at $4.00 per 100. $38.00 per 1000.
JAPAN LILIUM LONGIFLORUM, 5 to 7 in., at $27.00 per 1000.
J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

ROCKY MOUNTAIN TREE AND FLOWER SEEDS.
We have the true **Aquilegia cœrulea.**
New wholesale price list of
Florists' Supplies
now ready. ∴ Western Florists will save money by buying in Denver.
Colorado Seed Store,
BARTELDES & CO., DENVER, COLO.

Perry Watson & Co.
CALIFORNIAN SEED HOUSE
—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.
SACRAMENTO CALIFORNIA

Please mention the American Florist when writing.

LAKEVIEW ROSE GARDENS

.....JAMESTOWN, N. Y.....

WHOLESALE GROWERS OF CUT FLOWERS.

WE CAN FILL ALL ORDERS AT SHORT NOTICE.

Kennicott Bros. Co. too busy to make new price list, but think inside of Thanks-giving list will prevail.

PANSIES

Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000. Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.

PLANTS. **..PANSIES..** SEEDS.

....THE JENNINGS STRAIN....
Large Flowering. Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100; by express, $4.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.
CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

Did We Use You Well

FOR THANKSGIVING?

We tried to.
We'll do the same for Christmas
and every other day.

All Flowers in Season at Lowest Market Rates.

WHOLESALE CUT FLOWERS,
W. S. HEFFRON, Mgr.

E. C. AMLING,
51 Wabash Ave., CHICAGO.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY			
30-36 in. stem	per doz.	$5.00 to	$6.00
24 "	"	3.00 to	4.00
20 "	"	2.50 to	3.00
15 "	"	2.00	
12 "	"	1.50	
8 "	"	1.00	

METEOR	per 100	$6.00 to	$8.00
BRIDESMAID	"	6.00 to	8.00
BRIDE	"	6.00 to	8.00
PERLE	"	4.00 to	6.00
CARNATIONS	"	3.00 to	4.00

Quotations subject to change without notice. All other stock at lowest market prices.

Please mention the American Florist when writing.

Ready

Lily of the Valley PIPS.

Early and Late Forcing.

Spiraea.
Forcing Gladiolus.

PRICE LIST ON APPLICATION.

VAUGHAN'S SEED STORE,
NEW YORK: 14 Barclay St.
CHICAGO: 84-86 Randolph St.

Lily OF THE Valley PIPS

Arrived in prime condition.

This is as good stock as was ever introduced in this market.

They are strong pips and well rooted.

PRICE, $10, $11 and $12 per 1000.

H. N. BRUNS,
690 W. Van Buren St., CHICAGO.

TELL THEM WHERE YOU SAW THE AD.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

J. A. TAYLOR, Wynnewood, is said to have the oldest nursery in Indian Territory.

M. F. FOLEY has purchased a number of acres adjoining the grounds of the Great Northern Nursery, Baraboo, Wis., and will plant them with stock for the company, already an assured success although less than one year old.

Hardy Shrubs for Indoor Blooming.

The lover of hardy flowers who feels he cannot wait for the return of spring to enjoy their beauty of bloom, can have the satisfaction of having them in flower in the snowy season if he will but pot some small plants before winter sets in. There are several shrubs so impatient for spring to come that they may unfold their flowers and others that bloom after a few weeks of spring weather, and these may easily be brought into flower in the house without any particular care or trouble. Some or all of the following list would give good satisfaction:

Japanese maple, blood leaved; flowering almond, Japanese Judas, Magnolia stellata, Pyrus arbutifolia, Amelanchier alnifolia, Azalea amœna, Chimonanthus fragrans, Corchorus Japonica, Daphne Mezereum, Deutzia gracilis, Exochorda grandiflora, Forsythia viridissima, Lonicera fragrantissima, Spiræa Van Houttei, S. Thunbergii and S. Reevesii; Viburnum plicatum, dwarf lilacs, weigelias and bush honeysuckles. Then there is the half shrub, half vine, the hardy yellow jasmine.

Besides these, many evergreens are attractive in the house, notably the evergreen euonymus and the evergreen Japanese privet, not to mention small plants of the Japanese cedars, the various spruces, arbor vitæs and pines.

Almost all shrubs which flower in the early spring months are available for winter blooming, but those named above have been found particularly good for the purpose.

The way to proceed with them is to get young plants which can be placed in pots of reasonable size, looking to it to get those which have made nice young shoots the past season. Plants which have not done this are of no use, as flowers come from the shoots of the preceding season. Pot firmly and then put them in some cool place where they will not freeze and yet will be but a little above freezing.

The date of their introduction to heat will depend somewhat on the kind of shrub selected as well as on the time it is desired to have the flowers. The yellow jasmine, Jasminum nudiflorum, Chimonanthus fragrans, Daphne Mezereum and Lonicera fragrantissima flower almost as soon as they are brought into heat. If two or three each of these are used they can be brought forward in succession to have them till spring comes. The most of the others require from four to six weeks, much the same time as they would were they out of doors in spring.

Dwarf lilacs are those budded on the privet, a stock which dwarfs them, causing them to flower when quite small, which they would not do were they on their own roots. There are some dwarfs which are produced by constant shifting about, which checks growth and causes the setting of flower buds.

It is sometimes practicable to have the same plants for service another winter. In this case, when spring comes it is advisable to plant them out and prune them closely. The pruning is to induce new growth, without which, as explained above, no flowers can be had. Where young plants can be had it is generally better to rely on them. The old ones under the best of care rarely have as nice a growth of young shoots, besides that the roots occupy more space annually, requiring more pot room than is desirable.

JOSEPH MEEHAN.

BLUFFTON, IND.—Mrs. A. L. Meyers, proprietor of the City Greenhouses, has remodeled two structures 16x70.

WHEATON, ILL.—Mr. Ford, of the Adams place, leaves shortly for a visit in England and A. T. Peterson will have charge of the greenhouses in his absence.

TREE & SHRUB SEEDS

I have an extra fine lot of the following seeds, good fresh crop 1899, by mail, prepaid: per lb.
Calycanthus Floridus, Sweet Shrub..... 40c
Cornus Florida, White Flowering Dogwood.. 20c
Helesia Tetraptera, Snow Drop..... 75c
Magnolia Acuminata..... 75c
" Macrophylla..... 75c
" Tripetala..... 75c
Also Exochorda. Sugar Mapel and other seeds and seedlings. Send for list.
J. H. H. BOYD, - - Gage, Sequatchie Co., Tenn.

DEUTZIA GRACILIS.

Strong, bushy plants for forcing, $6.00 per 100.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Send for price list of Hardy Shrubs and Trees.

HOME OF CHOICE TREES and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. Catalogue free.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

NURSERYMEN....

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

For Sale. STRONG STOCK 'MUMS, at 5 cts. each.
VARIETIES:
Blackhawk, Pennsylvania, Heilsworth, Bonnaffon, Golden Trophy, Golden Wedding, Glory of Pacific, Autumn Glory, Mayflower, Ivory, Sunderbruch, Niveus, M. M. Johnson.
ADDRESS E. F. OVERMAN, Wabash, Ind.

20th CENTURY VERBENAS.

Thirty-two grand mammoth varieties, including the new Capt. Dreyfus, Helen Gould, Melba and many others. This is the set that will make the money for the retail florist in the year 1900. Strong, 2-in. pot plants ready Nov. 10th, $2.00 per hundred: rooted cuttings, 60c per 100, $5.00 per M.

NEW DBL. FRINGED PETUNIAS, Henderson's and Dreer's latest set, known the world over as the standard of perfection: strong rooted cuttings Nov. 10th, $1.00 per 100; 2-in. pot plants, $2 a 100.

SMILAX, 20,000 extra strong bushy seedlings, ready for 2-in., fine plants, 50c. per 100, $4 per 1000, free by mail.

PRINCESS PAULINE AGERATUM, the great novelty of '98, the only one to grow; rooted cuttings now ready, $1 00 per 100; strong 2-in. pot plants, 50c. per doz., $2 00 per 100.

1000 BRIDESMAID ROSES, 2½ and 3 in., $2.50 per 100 to close out. CASH WITH ORDER.

IMPORTANT—Every retail florist should have our descriptive wholesale list of Specialties; there is money in it for every man in the trade.
SOUTH SIDE FLORAL CO., Springfield, Ill.

SPECIAL SALE.
Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, in bud and bloom, from 4-inch pots, $1.50 per dozen; $12.00 per 100.

Chinese Primroses, fringed foliage, finest market vars from 2 in. pots, $2 per 100; from 2½-in. pots $2.50 per 100; from 3-in. pots, fine plants in bud, $4 per 100. From 4-in. pots, extra strong, in seven colors, including double white, red and single blue, all well set with buds, $1 doz.; $8 per 100.
All the above warranted A No. 1 stock.
PAUL MADER, East Stroudsburg, Pa.

McFADDEN OFFERS
ADIANTUM FARLEYENSE We are headquarters for this most beautiful of all Adiantums.
2-inch pots..... $10 00 per 100
3-inch pots..... 23.00 per dozen, 20.00 per 100
4-inch pots..... 6.00 per dozen, 40.00 per 100
5-inch pots..... 9.00 per dozen.
6-inch pots..... 15.00 per dozen.
EMERSON C. McFADDEN,
Wholesale Florist & Seedsman, SHORT HILLS, N. J.
Please mention the American Florist when writing

PANDANUS VEITCHII.

Extra fine stock in 6-inch pots, $1.00 each.

Cannas in all the leading varieties at lowest rates if ordered now.

Carnation Cuttings ready soon.

W. W. COLES, - Kokomo, Ind.

HEADQUARTERS FOR
Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. J. B. HEISS,
The Exotic Nurseries, DAYTON, OHIO.

BOSTON FERN...

2¼-in., $5.00 per 100; | 8 and 10-in. pans, from 75c. to $1.50 each.
5 -in., 50.00 per 100. |
Nephrolepis Cordata Compacta 2¼-in., $5.00 per 100, 8 and 10-in. pans, fine, $1.00 to $1.50 each.
Geraniums, S. A. Nutt, etc., rooted cuttings from soil, $1 50 per 100, $15.00 per 1000.
Asparagus Sprengerii, 2½-in., $3 00 per 100.
CASH PLEASE. CARL HAGENBERGER, W. Mentor, O.

Begonias, fine bulbs, separate colors, sgl. and dble., $5.00 per 100
LILIUM LONGIFLORUM, Japan, 6-8, $3.50 per 100.
WINDSOR FLOWER SEED CO.,
No. 2 Milwaukee Ave. DETROIT, MICH.

SEE THIS PRICE. 500 3-in Malda for forcing or p Leslies, worth $5 00 per 100; we give them at $3.00. 500 Malda, 2½-in., at $2.50 choice stock. Carnation rooted cuttings of best varieties of Carnations at $1.00 100 Place orders now.
W. H. CULLETT & SONS, Lincoln, Ill.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.



Evergreens for Winter Gardening.

TO PLANT IN BOXES, TUBS, VASES, ETC., ETC.

THE PLANTS pictured above are fair samples of the stock we have to offer. They are all nice, symmetrical trees and well rooted.
Prices f. o. b. Rochester.
N. B.—100 plants, purchaser's selection of varieties, will be sold at 100 rates.

CHRISTMAS TREES. Norway Spruces, 5 ft., 10 cts.; 6 ft., 12 cts.; 7 ft., 14 cts.; 8 ft., 16 cts. ADDRESS

LITTLE & CO., COMMERCIAL NURSERIES. **Rochester, N. Y.**

		Doz.	100.
No. 1.	IRISH JUNIPER, 3 ft.	$4 00	$20.00
No. 2.	HOVEY'S ARBOR VIT.E, 2½ ft.	4.00	20.00
No. 3.	TOM THUMB ARBOR VIT.Æ, 2 ft.	3.00	15.00
No. 4.	RETINOSPORA PISIFERA, 4 ft.	5.00	25.00
No. 5.	IRISH JUNIPER, 2 ft	3.00	15.00
No. 6.	PYRAMIDAL ARBOR VIT.E, 5 ft	6.00	30.00
No. 7.	HOVEY'S ARBOR VIT.E, 2 ft.	3.00	15.00
No. 8.	PYRAMIDAL ARBOR VIT.E, 4 ft.	5.00	25.00
No. 9.	" " " 2½ ft.	4.00	20.00

CLEARY & CO.,

Horticultural Auctioneers,

60 VESEY STREET,

NEW YORK CITY,

ANNOUNCE their last sale of

JAPANESE HORTICULTURAL CURIOS!

(for current season) at their salesrooms, **on Wednesday, Dec. 6th, and Thursday, Dec. 7th.** On free exhibition until 9 p. m., beginning Monday, Dec. 4th, until the conclusion of the sale. A marvellous collection of **Miniature Garden Trained Evergreens, Palms** and numerous specimens of Japanese Horticultural Art.

Sale begins promptly at 2 p. m. on days mentioned.

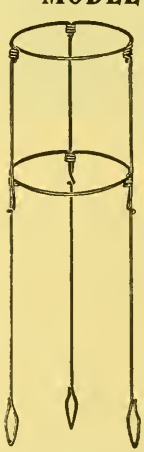
The trade especially invited.

Catalogue in course of preparation and will be mailed on application to the auctioneers.....

CLEARY & CO.,

60 Vesey St., NEW YORK CITY.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER,
Brooklyn, N. Y.,
Dear Sir:—Your Model Carnation Support is all right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y.
Feb. 18 '97.
MR. THERON PARKER.
Dear Sir.—Your wire stake is certainly a gem Without hesitating we indorse it as an up-to-date carnation support.
Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J.,
Feb 18, '97.
MR. THERON PARKER,
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing you every success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes

AT LOWEST PRICES.

Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,

THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

THE BOSTON FERN A Specialty.

Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN.

in all sizes from

$5.00 per 100, $40.00 per 1000 to SPECIMEN PLANTS at

75c., $1.00, $2.50, $5.00 and $10.00 each.

Further information cheerfully given.

SATISFACTION GUARANTEED.

EDWIN LONSDALE, Chestnut Hill, ...PHILA, PA.

TO CLOSE OUT for want of room, the following plants, ready for a shift.

		Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.	$8 00	
1000	" "	2-in.	5.00	45.00
5000	Pteris Tremula	"	2.50	20.00
2000	" Ensifolia	"	2 50	20.00
2000	" Serrulata Max	"	"	"
3 00	" Longifolia	"	"	"
2000	" Serrulata	"	"	"
2000	" " Compacta Nana"		3.00	25.00
1000	" Onardia	"	2.50	20.00
1500	Nephrolepis Bostoniensis	2½-in.	5 00	40.00
2000	" Cordata Compacta	"	4.00	35.00
2000	" Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept. 15th.

Anton Schultheis, P. O. Box 78, College Point, New York City

Please mention the American Florist when writing.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Omaha.

The Omaha bowlers are once more awakening and will soon be rolling regularly on new and thoroughly up-to-date alleys. L. Karpp, who umpired the great contest in Detroit, was a visitor this week and made arrangements to bring his champion New York team to Omaha, on their annual tour of the country in February, for a match with the Omaha Florists' Bowling Club. GRIPP.

At Flatbush.

On Thursday, November 23, the following named talent appeared at the alleys of the bowling club and scores as appended were recorded:

Player	1st	2d	Player	1st	2d
E. Dailledouze	163	163	Schmutz	141	162
P. Dailledouze	138	132	Welsiog	101	77
Wocker	139	118	Butterfield	117	87
Woerner	122	103	Donlan	145	98
Riley	168	226	Rennie	86	102
H. Dailledouze	92	91			

At Cleveland.

The bowling contingent is happy in the possession of two excellent alleys now. The floors have been relaid and refinished and a new track for the return of the balls has been provided at the side, the old one in the center having been torn out. The floors are now level and true, the balls have been refinished and the appearance of the whole improved at least 100 per cent. A.

At St. Louis.

Some very fair scores were made by the bowling contingent last Monday evening. Here they are:

Player.	1st	2d	3d	4th	Av.
Kuehn	175	153	184	169	170
Beneke	136	152	121	197	152
Sanders	135	116	164	109	131
Kunz	140	113	132		128
Weber	116	149	111		125
Fillmore	78	94	121	92	96

I hear there will be a hot time at the alleys next Monday night. The Juniors have challenged the older club to roll three best games out of five. This will no doubt draw a large crowd to see the first match between these two clubs. LOUISIANA.

At Denver.

The following is the score made by the members of the Denver Florists' Club at the alleys Tuesday evening November 21:

Player	1st	2d	3d	Av.
Robt. Kurth	225	192	165	194
John Berry	139	147	218	177
A. E. Mauff	178	161	193	174
Chas. Thiess	162	157	191	170
Chas. Franz	191	170	148	170
Chas. Mauff	187	142	160	163
A. M. Lewis	161	124	199	162
Geo. Brenkert	156	191	131	161
Ed. Emerick	217	132	122	157
J. A. Valentine			153	153
E. C. Flohr	151	148	158	152
John Ferris	149	116	165	148
Don Scott		110	184	147
J. N. Jakobsen	152	155	124	144
Chas. Webb	105	151	163	140
Perry Gallup	196	97	110	134
A. A. Benson	117	130	135	129
Geo. Zimmer	127	137	120	128
Oliver Wheatley	67	103	76	82

E. C. F.

At New York.

The regular session of the bowling club at the Fifty-seventh street alleys on Monday evening brought together a goodly number of aspirants for high averages but the scores made in several instances were sufficient to make some of the bowlers feel very weary. Sure enough, bowling is a funny game. Frank Traendly proposes to offer a silk umbrella as a premium for the best score in the coming month. Scores made during the evening were as follows:

Player	1st	2d	3d	4th	5th	Av.
Lang	174	124	168			155
Donlan	177	103	133			138
Marshall	128	180	111	113	147	136
Young	145	123				134
Butterfield	104	154				129
O'Mara	146	128	130	114	99	123
Withers	109	140	126	104	112	118
Siebrecht	114	126	113			118
Schenck	107	115	103	130	130	117
Traendly	102	118				110
Stewart	99	97	141	99		109
Elliott	103	113				108
Hart	94	99				97



CHARLES L. SEYBOLD.

Baltimore's Pride.

Charles Louis Seybold is Maryland's champion bowler. He is a member of the All Star team of Baltimore and the captain of the florists' team. Last winter when Chicago sent her best bowlers east Baltimore won the silver cup offered by the Brunswick-Balke-Collender Co. to the team which should make the best showing against the tourists. Baltimore only won five out of twelve games and Seybold played in only half the series, but four of his games brought victories. In thirty-seven important match games Mr. Seybold made an average of 189 and a fraction. At "cocked hat" he holds the Maryland medal, which he wears as a watch charm. At this game he recently rolled 69, 65 and 54. At nine pins, nine balls, he has a recorded score of 144, 144 and 60. It would take a volume to tell of all Mr. Seybold's successes and to describe his fifty or more medals and trophies. He is the mainstay of the Florists' Bowling Club and in one of their contests last winter made 200, 248, 234 and 218, an average of 225, which is said to be the American record for four games at ten pins. He holds the ball with the thumb and third finger and delivers it with great velocity at the extreme right edge of the alley; when it has traversed three-fourths of the distance the curve to the left begins, with the result that the ball strikes the head pin upon the most effective point. Mr. Seybold believes that "practice makes perfect" and bowls regularly twice a week in winter and once a week in summer. But Mr. Seybold has other claims to distinction than the facility with which he wields the lignum-vitæ. Born at Stuttgart, Germany, in 1862, he sprang from a family of nurserymen. At twenty-one years of age he came to Baltimore and secured a position at Patterson Park, under Superintendent Anderson, where he did such good work that in 1893 he was given charge of Carroll Park, a wild tract upon which he has put much work and a great deal of skill, making of it in the short space of eight years an example of tasteful planting and thorough care. MACK.

LENOX, MASS.—A. Dimmock and J. P. Cleary spent last Saturday and Sunday very pleasantly here, visiting a number of their gardener friends.

CROMWELL, CONN.—A. N. Pierson reports the largest season's business in chrysanthemums which he has ever enjoyed. They will be grown in even larger quantities next year.

ERIE, PA.—S. A. Baur, successor to Henry Niemeyer, rented a down-town store, installed a display of chrysanthemums and general stock, invited the public and profited largely by the effort.

OWOSSO, MICH.—John S. Schleider celebrated the opening of his down-town office and salesroom with a display of chrysanthemums which quite astonished the natives. The store is a beauty and connected with it is a model show house.

MANCHESTER, MASS.—The Manchester Horticultural Society was organized on November 10. It comprises mainly the gardeners of Manchester, but membership is open to all interested in horticulture.

WESTERLY, R. I.—Miss Barbara C. Reuter, daughter of S. J. Reuter, was married on Wednesday, November 15, to Mr. Edward Lueck. The church where the ceremony took place was lavishly decorated with plants and flowers.

FREMONT, NEB.—Green & Nichol held their fourth chrysanthemum show in the W. C. T. U. Temple November 9 to 11 and it was a success in every way. Their trade is excellent and they have all they can do to supply it, especially the wholesale demand for Marie Louise violets.

ST. JOSEPH, MO.—On a recent evening a rough looking fellow inquired for the proprietor at Stuppy's down-town store and drew a revolver on A. A. Sharp. It is thought the man intended robbery and was disconcerted to find Mr. Sharp in the place as Mrs. Sharp is usually alone there.

GALESBURG, ILL.—I. L. Pillsbury had a very good public exhibition at his greenhouses November 13 to 18. He displayed 1000 single-stemmed chrysanthemum plants, about 600 bush plants and a number of well-grown standards. Among the new varieties were Latest Fad, Jas. Comley and Pennsylvania. There was also a good showing of roses, carnations, violets and greenhouse plants. Many visitors made the exhibition profitable.



LATANIA BORBONICA.

PALMS.

Varieties	Size Pot	Height Inches	Char. Leaves	Each	Per Doz
Latania Borbonica	2-in.			 $.50	
Latania Borbonica	3 "			 1.50	
Latania Borbonica	4 "			 3.00	
Latania Borbonica	6 "	18-22	5-7	$.75	9 00
Latania Borbonica	8 "	28-30	7-8	1.50	18.00
Latania Borbonica	8 "	28-34	7-8	2 50	30,00
Latania Borbonica	9 "	30-36	8-9	3,00	36,00
Cocos Weddeliana	3 "	14-18	4-6	.25	2.00
Cocos Weddeliana	4 "	three plants in pot			5.00
Cocos Weddeliana	5 "	"	"	"	6.00
Cocos Weddeliana	6 "	"	"	"	10 00
		Height	Leaves	Each	Doz
Kentia Belmoreana	3 "	5-7	3-4	.25	2.00
Kentia Belmoreana	3 "	8-10	4-5		3.00
Kentia Belmoreana	6 "	20-25	5-7	1.50	18.00
Kentia Belmoreana	7 "	34-38	6-7	2.50	30.00
Kentia Belmoreana	8 "			3.25	
Kentia Belmoreana	10 "			8.00	
Kentia Forsteriana	5 "	25-28	4-6	1.00	12,00
Kentia Forsteriana	6 "	26-30	6-8	1.50	18.00
Kentia Forsteriana	7 "	36-40	5-6	2 50	30,00
Kentia Forsteriana	10 "	three plants in pot			8.00
Livistonia Rotunditolia	3½-in				3.00
Livistonia Rotundifolia	5-in				9.00

The Latania is largely used for purposes of decoration. Although its place has, in a measure, been taken by the Kentia, it still is in lively demand. Our stock is in a fine, clean condition. We have now growing for next year's trade not less than 100,000 of these desirable palms.

Geo. Wittbold,

PALMS AND FERNS.

1708 No. Halsted St., ...CHICAGO.

FERNS.

Varieties	Size Pot	Price per Dozen	Price per Hundred
Cyrtomium Falcatum	4-inch	$2.00	
Pteris Serrulata	2 "	.50	$4.00
Pteris Serrulata Cristata			4.00

Miscellaneous.

Varieties	Size Pot	Height Inches	No. of Tiers	Price Each	Price per Doz
Araucaria Excelsa	3-inch	6-8	2-3	$.50	$ 6.00
Araucaria Excelsa	5 "	18-20	3-4	1.25	15.00
Araucaria Excelsa				1.50	18.00
Araucaria Excelsa	7 "	36-38	6-7	2,50	30.00
Ficus Elastica	5 "	16-18		.50	5.00
Ficus Elastica	6 "			.75	9.00
Ficus Elastica	7 "			1.00	12 00

	Size.	Dozen.	Per 100.
Asparagus Plumosus Nanus	2-inch	$0.50	$4.00
Asparagus Plumosus Nanus	3 "	1.00	8.00
Asparagus Sprengerii	2 "	.50	4.00
Cyperus Alternitolius	4 "		8.00

Peperomia Argyrea, 3-inch pots	dozen,	$1.50
Dracæna Fragrans, 4-inch pots, fine plants	"	3.00
Dracæna Fragrans, 5-inch pots, fine plants	"	5.00
Dracæna Fragrans, 6-inch pots, fine plants	"	9.00
Sanseviera, Jav. var., 4 inch pots	"	2 00
Sanseviera, Jav. var., 3-inch pots	"	1.50

The demand for KENTIAS has increased wonderfully and they must be counted among the indispensable articles of the Ornamental Plant Business. We devote much space and the most careful attention to Kentias, and always have a large and vigorous stock on hand.



KENTIA FORSTERIANA.

When in need of larger Plants than quoted, ask for Special Prices on a lot of Miscellaneous Specimen Plants that we have in stock.

Pittsburg.

SHORT SUPPLY OF STOCK.—PRICES ADVANCING.—BEAUTIES HAVE THE CALL.—CUT FLOWER COMPANY TO MOVE.—A RECEPTION.

The supply of flowers has fallen off so much during the last few days that there is a visible advance in prices. Chrysanthemums are nearing the end of their season and but few are coming in compared with the qualities received even a week ago. Violets are scarce, as are choice roses. Special American Beauties have the call even at advanced prices. They have been pushed to $5 per dozen and the indications are they will reach a still higher figure.

The Pittsburg Cut Flower Company expects to move into larger quarters at 504 Liberty street, by December 1, where, having more room, they will be better able to handle their rapidly increasing business.

At the reception held by the Florists' Club at Cyclorama Hall, Allegheny, on Thursday evening last, about seventy-five participated, enjoying a very pleasant evening, with dancing, euchre and refreshments.

Loew & Rochig are open for business in greens, at the same room occupied by them last year. G. O.



L. B. BRAGUE,

Hinsdale, Mass.

WHOLESALE DEALER IN

Christmas Trees

AND BAILED SPRUCE FOR CEMETERY USE.

Special attention paid to supplying in Car Load lots.

WRITE FOR PRICES.

XMAS GREENS

Laurel Roping, Bouquet Green, Holly, Wreaths of all kinds. Xmas Trees, Hardy Ferns, Galax Leaves, Etc.

H. E. Hartford,

17 CHAPMAN PLACE.

BOSTON, MASS.

Please mention the American Florist when writing.



MONEY

IS to be made during the Holiday season if you have the RIGHT stock, of RIGHT quality and at the RIGHT time.

We can place you in the RIGHT position, and with prices to meet all competition.

HOLIDAY DECORATIVE MATERIAL.

Our Holiday List Tells the Story.

A postal card will bring you a copy.

NEW YORK: Vaughan's Seed Store, CHICAGO:
14 Barclay Street. 84-86 Randolph Street.



GREEN AND HOLLY,

Evergreen Wreathing

Gathered under the supervision of our own men, experienced hands, that for the past ten years have done their share to make us absolutely headquarters for Xmas decorations.

Holly Wreaths, Mistletoe, Christmas Trees, Etc.

The right kind at the right price, and last, but not least, at the right time.

The mark, W. W. B. & Co., on case is an absolute guarantee for select quality. Send us your list of wants for BOTTOM FIGURES.

W. W. BARNARD & CO.,

161 and 163 East Kinzie Street, CHICAGO.

Delaware Holly of the Best Grade from the Swamps, with Bright Green Foliage and well Berried.

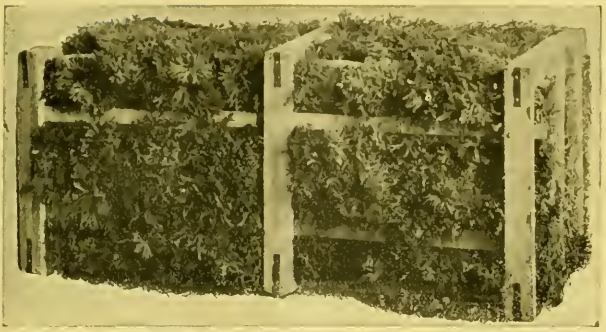
Orders will now be received for shipments which will go forward freshly packed at the proper time. For prices and terms, address—

ALEX. PULLEN, = Milford, Del.

MILFORD NURSERIES.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.



Pioneer Headquarters For
VAUGHAN'S XXX HOLLY

Its average high quality never beaten. Every case re-inspected by us.

DEEP WOODS BOUQUET GREEN.

From Little Rib River Black River, Red River and Evergreen Creek. Indian picked.

WE MEET THE MARKET. Write or wire for latest quotations.

VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO.

14 Barclay St., NEW YORK.

THAT SALE

will take place on

TUESDAY, DEC. 5th.

It will include a grand lot of **DECORATIVE PALMS**, such as **Kentias, Latanias, Etc.**, in stock sizes, as such as every florist wants just now. Also

PYRAMIDAL BOX, LAURELS, ACUBAS and RHODODENDRONS in best varieties for forcing. Your last opportunity this year. Bid up!

N. F. McCARTHY & CO.,

Jobbers In All Florists' Goods,

84 Hawley Street,

Telephone 734. **BOSTON, MASS.**

AZALEAS, etc.

Just received in excellent condition a large consignment of the best forcing varieties. Can be safely forwarded by freight before cold weather sets in.

10 to 12 inch Crowns $35.00 per 100; 12 to 14 inch Crowns $45.00 per 100; 14 to 16 inch Crowns $55.00 per 100.

LATANIA BORBONICA

7 inch pots, 6 large character leaves, $1.00 each; 8 inch pots, 6 to 7 large character leaves, $1.50 each; 9 inch pots, 7 to 8 character leaves, $2.00 each.

ARAUCARIA EXCELSA

Fine Stock 16 to 18 inches high, $1.25 each.

ROSES

Crimson Rambler, canes 3 to 5 feet, fine forcing stock, $12.00 per 100; **Hybrid Perpetual,** best forcing kinds, 2 years field grown, $10.00 per 100.

HYDRANGEA, HORTENSIA and RAMIS PICTIS

Strong field grown, suitable for 6 or 7 inch pots, $12.00 per 100; stronger plants $20.00 per 100.

LILIUM LONGIFLORUM, JAPAN CROWN,

6 to 8 inches, $4.50 per 100; $40.00 per 1000; 7 to 9 inches $7.00 per 100; $65.00 per 1000.

HYACINTHS

Unnamed, separate colors, $40.00 per 1000.

IRIS KAEMPFERI

(Japan Iris), named varieties, $5.00 per 100; $40.00 per 1000.

DEUTZIA GRACILIS

Fine forcing stock, 12 to 15 inches high, $4.00 per 100. Fine forcing stock, 15 to 18 inches high, $5.00 per 100.

BERBERIS THUNBERGII

Strong transplanted stock, 15 to 18 inches, $3.00 per 100. Strong transplanted stock, 18 to 24 inches, $4.00 per 100.

THE STORRS & HARRISON CO., Painesville, Ohio.



Hardy Cut Ferns

75 cts. per 1000.

Christmas Trees by the car load or in small numbers.

Bouquet Green, 5½c. per lb.

Sphagnum Moss, 50c. per sack. Cash with orders.

All orders by mail or dispatch promptly attended to.

THOS. COLLINS,
HINSDALE, MASS.

SOUTHERN WILD SMILAX.

CASE No. 1.....	$1.00	CASE No. 4.....	$3.50
CASE No. 2.....	2.00	CASE No. 5.....	4.00
CASE No 3.....	3.00	CASE No. 6.....	4.50

Carefully selected stock. *Full cases.*

Write for art catalogue "Evergreens of the Southland" which every florist should have in his store to show customers illustrations of beautiful Southern Evergreens

Caldwell The Woodsman Co., Inc., Evergreen, Ala.

P. S.—The cow is dead. *Smilax killed her.*

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for.....	$1.00
12 strong plants, 3-in. pots, for..	5.00
12 strong plants, 4-in. pots, 2 to 3 feet	9.00
12 strong plants, 5-in. pots	18.00

Price for 100 or more on application.

John H. Ley,

Good Hope, WASHINGTON, D. C.

BOUQUET GREEN.

Best quality at lowest rates. We gather our own greens and bring by our own boat direct. Also CHRISTMAS TREES.

Northern Michigan Evergreen Nursery,

SCHOONER MARY COLLINS, - S. W Cor. Clark St., H. Schueneman Capt. Bridge, CHICAGO.

Please mention the American Florist when writing.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

HOLLY. ⚜ HOLLY.

Get our prices on Holly, as we are going to sell Choice Delaware Holly at prices that defy competition; it is of dark foliage, well berried and with dark green leaves.

Also Galax Leaves, Mistletoe, Running Cedar, Laurel Roping and Decorative Greens at low prices. Orders of 5 cases or more at jobbers' prices. Special Express and Freight Rates.

A. K. SAVACOOL, Lewes, Del.

PALM PLANTS.

LATANIAS, 4-in. pots, 18 to 22 in. high, 4 and 5 leaves, $2 per doz., $13 per 100; 6-in. pots 20 to to 24 in. high, 6 and 7 leaves, $6 per doz., $45 per 100; large, 3 to 3½ ft. in height and diameter, $3 per plant, $22 per dozen: large, 4 to 4½ ft. in height and diameter, $5 per plant.

ARECA LUTESCENS, 6-in. pots, 2½ ft high, 2 and 3 plants to pot, $12 per doz.; 10, 11 and 12 in. pots, several plants to pot, 6 and 7 ft. high, $7.50, $10 and $12 50 per plant.

KENTIAS, several sizes; prices on application.

PANDANUS VEITCHII, 6-in. pots, nicely variegated, $1 per plant. *J. W. COLFLESH,*

53d St. and Woodland Ave., Phila.

Cleveland.

SURPLUS IS AT AN END.—THANKSGIVING BRINGS GOOD BUSINESS.—CHRYSANTHEMUMS NEAR THEIR FINISH.—REVIEW OF THE SEASON.

Although business has been fairly good of late, up to the last few days there has been some surplus of flowers, particularly in roses. The advent of Thanksgiving week and the waning of the chrysanthemum season have, however, materially improved the situation, which now seems to promise a fair market for good stock until after the holidays. Concerning the chrysanthemum, the general opinion seems to be that fair lady has hardly behaved as satisfactorily as in past seasons. It is doubtful if the trouble can be entirely attributed to the unseasonably warm fall, as with many growers the plants showed a tendency towards poor development from early in the season, even with varieties that are ordinarily regarded thoroughly reliable. The result has been that quite a large proportion of the stock has been somewhat small. The outlook seems to indicate that there will be practically no chrysanthemums worth taking into account after this week.

Roman hyacinths and Paper White narcissi have made their appearance in small quantities. There seems to be no established price but they average about $3 per hundred. Carnations have stiffened notably in price and when of good quality have sold at $2 per hundred. A.

HOME GROWN PALMS

		Pots	Per doz.	Per 100
Kentia Belmoreana		3-in.	$1.50	$12.00
" "		4-in.	3.00	23.00
	Size of Pots.	Char. Leaves.	High.	
" "	5,	5-7	18-24,	$9-$12 $70-$90
" "	6,	7-8	20-25,	18 144
" "	7,	7-8	30-40.	30-36 240-290
" "	8,	7-8	$3.00 to $4.00 each.	
" "	9,	7-8	5.00 to 7.00 "	
Kentia Forsteriana, 3-in.			$1.50 per doz.;	$12 per 100
" "	4-in.		$3.00 "	$23 "
" "	5,	5-6	24-30,	$9-$12 $75-$95
" "	6,	7-8	25-30,	18 144
" "	7,	7 8	35-42,	28-30 225
" "	8,	7 8	$3.00 to $4.00 each.	
" "	9,	7-8	5.00 to 8.00 "	
Latania Borbonica, 2-in.			.50	3.00
" "	3-in.		1.25	12.00
" "	4-in.		3.00	23.00
" "	5,	5-8	15-20,	5.00 49.00
" "	6,	6-8	16 24,	8.50 65.00
" "	7,	6-8	18-24,	12.00 90.00
" "	8,	7 8	28-34,	22 00 175.00
" "	9,	7-9	28-36,	34 00 272 00

Ficus Elastica 5-in. 50c; doz. $5.50; 6-in. $8.00 doz. Livistonia Rotundifolia, 7 in. 12-14 leaves, $2.50 to $3.00 each. Pandanus Veitchii, 4-in. to 14-in., 50c to $10 each. Boston Ferns, 5c to $2.00 each. Cycas, Dracænas, Asparagus, etc., in large variety. Chrysanthemums, stock plants, $10 per 100.

We have 150,000 Tropical Plants on hand. Your visit invited. Term cash, but inspection allowed at express office.

ALBERT FUCHS,
2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.

Profitable Investment

Orchids in sheath and bud, to bloom in December and January. Price of flowers alone will realize over 100 per cent. cost of plants.

Odontoglossum Cervantesii per doz., $1.50 per 100, $12 00
" Rossii Majus, " " 2.00, " " 15 00
" Nebulosum, " " 2.00, " " 15 00

Price includes prepayment by parcel post.
J. A. McDOWELL, - CITY OF MEXICO.

Field-Grown **CARNATION PLANTS**

ALL SOLD EXCEPT

800 EMILY PIERSON, 100 SILVER SPRAY,
200 MORELLO, 100 SAGINAW.

Will sell the above lot at one-half of cost price to grow, if taken at once. Plants are protected in cold frames and are in fine condition.

CHAS. CHADWICK, L. B. 11, Grand Rapids, Mich.

300,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 50c per 100; $5.00 per 1000; $45 per 10.000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

Stock Plants.....

CHRYSANTHEMUMS!

10c. each, or $1.00 a doz.

The following varieties:

Viviand-Morel Pennsylvania Golden Gate
Mrs. Egan Mutual Friend Mrs. F. Thompson
Kentucky Mayflower Mrs. H. L. Weeks
Mrs. Robinson F. Hardy Mrs. C. B. Pierce
Major Bonnaffon

CARL E. TAUBE,
Mercer Floral Co. TRENTON, N. J.

Acalypha Sanderi

FINE PLANTS, 2½-inch, $8.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Carnations.

We are headquarters for all new and standard varieties. If you want anything write us. All information cheerfully given. Field grown plants all sold.

Chrysanthemums.

Stock plants of the leading and standard sorts. Write for prices,

H. WEBER & SONS, Oakland, Md.

Please mention the American Florist when writing.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

Asparagus Plumosus Nanus

STRONG STOCK.

2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000

S. S. SKIDELSKY,
730 Pine Street, PHILADELPHIA.
Mention American Florist.

CHEAP! CHEAP!

Chrysanthemum Stock Plants, W. and P. Ivory, Pacific, Robinson and Bergmann, $2.50 per 100, if ordered this month.....

CHAS. L. MARSHALL, 67 Merrimac St., LOWELL, MASS.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.
Agent: A. DIMMOCK, 50 Vesey St., NEW YORK.

Orchids!



Just arrived in fine condition, a fresh lot of *Cattleya Mendelii* and *Lælia Jongheana*, also *C. labiata, C. Speciosissima, C. Gaskelliana* and *C. Harrisoniæ*.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Please mention the American Florist when writing.



PRICES WILL ADVANCE

JAN. 1ST, 1900.

20 NEW COLEUS. They are Beauties—Dr Nelson, Dr. Anderson, Dr. Erickson, Dr Peterson, Dr. Stevenson, Dr. Osmanson, Dr. Emerson, Dr. Olson, Dr. Johnson, Dr. Pattison, Dr. Mutterson, Dr. Davidson, Dr. Carlson, Dr. Wilson Dr. Thompson, Dr. Siverson, Dr. Williamson, Dr. Jackson, Dr. Knutson, Dr. Furgeson.

The 20 Drs. for $1.00, or $4.00 per 100.

COLEUS STANDARD.

South Park Gem, Carsiour, Queen Victoria, Crimson Bedder, Black Bird, Crist Beauty, John Good, Rainbow, Moonbeam, Hiawathu, George Simpson, Varnal Beauty, Emp. of Germany, Emp. Victoria, Princess Irine, and ten others just as good.

2¼-inch pots, $1.50 per 100.
Rooted Cuttings, 40 varieties, 50c. per 100.
Unrooted Cuttings, 60 varieties, 25c. per 100.

GERANIUMS—All mixed together of the following varieties, from 2¼-inch pots, at $1.50 per 100:

Cet de Blacas, Mrs. E. G. Hill, Mme. Hoste, Mrs. Gladstone, Ben Schrodier, A. Ricard, Columbia, Try de Pontia, Beauté Poitevine, Pres. Vic Dubois, Col. Barr, Dbl. New Life, Dr. Blanch, S. A. Nutt, White Swan, Gettysburg, Mme. Bruant, Constable, La France, Puritan, Mrs. J. M. Garr, Snow Drop, Enid, John Forbes, Clifton, Dr. Henry, M. Ott, Nancy, J. D. Cabos, R. R. Goslin, P. Crozy, Mme. H. Tacotot.

PETUNIAS—10 varieties of Dreer's, 2 varieties from Australia, 9 varieties from France, 4 varieties from Germany, 5 varieties from England, the 30 varieties all mixed together, 2¼-in., $2.00 per 100.

	Per 100
Feverfew, Little Gem, 2¼-in	$1.50
" Golden Leaved, 2¼-in	1.50
Velvet Plant, 2¼-in	1.50
Geranium Harmonie and Proforper, 2¼-in.	3.50
Hardy Pink Clumps	2.00
Pansy Plants, $3.00 and $4.00 per 1000.	
Primula Chinensis, 3 in	3.00
" from flats	.75
Primula Obconica, 3½-in	3.00
" 2¼-in	1.50
Forget-Me-Not, winter blooming, 2¼-in	2.00

BEGONIAS, Flowering—White Rubra, Augusta, Galatea, Sanderseni, Semperflorens Rosea, Fuchsiæ, Fucheoids, Red Vernon, Erfordii Pink, and 10 other varieties, in small lots, all 2¼-in., $1.50 per 100.

CANNAS—Florence Vaughan, Australia, A. Bouvier, Mme. Charatt, Mme. Crozy, Statia, and 10 others, all mixed together, single eyes, $1.00 per 100. $5.00 per 1000.

Mesembrynthemum Erectum, Basket Plant, r. c., $1 per 100; California Moss, r. c., $1 per 100; Cigar Plant, 2¼-in., $1.50 per 100; Alternanthera, 4 colors, yellow, red, pink and large leaved variety 2¼-in., full of rooted cuttings, $2 per 100, $18 per 1000; 2¼ in., $1.50 per 100; $12.50 per 1000; Unrooted Cuttings, 4 varieties, 25c. per 100, $2 per 1000, $8 per 5000, $15 per 10,000.

Lycopodium Dent. 2¼-in., $1.50 per 100; Iresines, 2 colors, 2¼-in., $1.50 per 100; Dusty Miller, 2¼ in., $3 per 100; Golden leaved Feverfew, r. c., $1 per 100.

R. C. CARNATIONS READY.

G. H. Crane, 1899	$6.00 per 100
Glacier, 1899	4.00 "
Argyle, 1898	2.00 "
Empress, 1898	1.50 "
Bon Ton, 1898	1.50 "
Mme. Adams, 1899	4.00 "
Daybreak	1.50 "
Morello	1.50 "

We are now booking orders for 1900 varieties, and all other good ones for future delivery.

Large orders from above plants. We ask for list to estimate. Prompt shipments or money returned by next mail.

CASH.

W. H. MURPHEY, - Minooka, Ill.

Please mention the American Florist when writing.

WANTED Rooted Cuttings of MARECHAL NIEL ROSES in any quantity. Delivery can be made any time up to February 15th, 1900.

JOSEPH W. VESTAL & SON, Little Rock, Ark.

THE GRAND NEW ROSE LIBERTY!

Won Highest Honors Wherever Shown.

MOST nearly approached by Meteor in color, but far surpassing that standard variety in brilliancy and purity of color, as well as in size and freedom of bloom, never showing any deformed, black or bull heads either in winter or summer. A remarkable keeper when cut keeping its brilliancy of color without turning blue or dropping its petals, as is the case with Gen. Jacqueminot, which it somewhat resembles in size and fragrance.

I HEREBY EXTEND A CORDIAL INVITATION TO ALL LOVERS OF THE QUEEN OF FLOWERS TO COME AND SEE LIBERTY GROWING.

The Finest Crimson Forcing Rose of the Century.

PRICES ARE AS FOLLOWS FOR A1 STOCK:

Own Rooted Stock in 2½-in. Pots.			Grafted Plants in 2½-in. Pots.		
12 plants	$0.60	each	12 plants	$0.75	each
25 "	.50	"	25 "	.60	"
50 "	.30	"	50 "	.50	"
100 "	.25	"	100 "	.40	"
1000 "	.20	"	1000 "	.35	"

Satisfactory reference or deposit from all unknown correspondents.

AGENTS— **E. G. Asmus, West Hoboken, N. J.**

VAUGHAN'S SEED STORE, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y

MANETTI STOCKS! ENGLISH OR FRENCH

FOR DECEMBER DELIVERY. PRICE ON APPLICATION.

Indications are that Manetti Stocks are exceedingly scarce this season, but can still offer good stock in quantity.

HARRY A. BUNYARD, 42 W 28TH ST, NEW YORK CITY.

Hydrangeas

FOR FORCING.

OTAKSA. THOS. HOGG.

Fine, strong stock, with 4 to 6 crowns, $10 per 100; $90 per 1000.

JACKSON & PERKINS CO. NEWARK, NEW YORK.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th treet, PHILADELPHIA PA.

Orders Now Booked For

CARNATION CUTTINGS!

For All Fancy Varieties.
All Cuttings Guaranted A1.

CHICAGO CARNATION CO.,
Greenhouses and address, JOLIET, ILL.

New and Standard Varieties of

CARNATIONS.

F. DORNER & SONS CO., LaFayette, Ind.

CHRYSANTHEMUMS. Good plants from bench.

Ivory (white and pink), W. H. Lincoln, M. Henderson, Glory of Pacific, Queen, Golden Wedding, Robinson, Mayflower, Viviand-Morel, Simpson, Florence Pullman, Garden Queen, Modesto, Conover, Mme. Perrin, J. J. Glessner, Yanoma. 50c a doz; $2.50 a 100. Thornden, $1.00 per doz. Xeno (genuine), $1.50 per doz. If taken this week. CASH.

W. J. BARNES, 38th & Euclid Ave., Kansas City, Mo.
This ad. will not be repeated.

Tell them where you saw the ad.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

Grown equally successfully by Hill, Craig, and myself; you are not buying it on a venture, but knowing that it is not a success in one soil and a failure in another.

In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants, never out of crop from September to July, more flowers to the square foot than any other known variety and practically no seconds.

With **18,000 stock plants** to work from there is no danger of over propagation, and you are not asked to wait until planting out time for your cuttings but can have them whenever wanted. Orders entrusted to me will have my personal attention, both in the selection of the cuttings and the filling of the order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES at $4.00 now, and a regular assortment of CARNATIONS in a list ready Jan. 1st.

ALBERT M. HERR, Lancaster, Pa.

Rose Crimson Rambler.

As a pot plant for retail sales this rose is incomparable. Its hundreds of blossoms all open together and seem to improve for at least two and even three weeks. The bright crimson color holds without fading and contrasts finely with the glossy foliage. It Forces Easily. We have fine dormant stock.

2-year-old, 2 to 3 feet, well branched, own roots, per dozen, $2.00; per 100, $15.00.
3-year-old, 4 to 5 ft., well branched, budded or own roots, doz. $3.00; per 100, $20.00.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, GREENHOUSES, WESTERN SPRINGS, ILL. 84 & 86 RANDOLPH STREET, CHICAGO.

AMERICAN BEAUTY Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS. A. S. MacBEAN, Lakewood, N. J.

Finest Forcing Roses 2½-in. Per 100 BRIDE.....$2.50 3½-in. Per 100 $4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. Cash with order.

Asparagus Sprengerii, 2½-in. pots; Asparagus plumosus nanus, 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

1800 DAYBREAK,
300 METEORS

is what I have left in **Field-Grown Carnation Plants** and are extra fine; $4.00 per 100 or $30.00 per 1000.

W. A. WETTLIN, Hornellsville, N. Y.

GIVE US LIBERTY!

will be the cry when the plants are all sold. Order at once.

Robert Scott & Son,
SHARON HILL, Del. Co., PA.

THRIFTY FIELD

CARNATIONS

with plenty of roots.
Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

Sharon, Pa.

A prominent grower said recently that the man who introduces the ideal white carnation, something that will yield quality as well as quantity, has a fortune in store. John Murchie has four exceptional seedlings and one in particular that seems destined to forge to the very front. Unfortunately Mr. Murchie's stock is limited to a very few plants and it will take two years at least to work it up to the point of dissemination. Mr. Murchie's general stock of carnations is well worth seeing. General Gomez, in his opinion, is the best dark one to-day.

Ed. McConnell's Brilliant bids fair to attract a deal of attention during the coming carnation meeting in Buffalo. A rich, brilliant pink, of splendid size and constitution, it towers above its rivals and puts them all in the shade. Mr. McConnell has numerous other seedlings, some of which are decidedly meritorious.

At M. I. O'Brien's, I found everything in splendid condition, all but the genial Mr. O'Brien himself, who was confined to his couch. HOMO.

HERR'S PANSIES

The best is what you want: common Pansies are dear at any price. The "best florists" in the country are my customers; they will tell you there are no other Pansies quite so good as mine. Try them and you will say the same when they come into bloom.

PLANTS NOW AND UNTIL MARCH.
Free by mail, 75c per 100; 250 for $1.50; 500 for $2.50. By express, $4.00 per 1000.

ALBERT M. HERR,
LANCASTER, PA.

To Plant After Early 'Mums.

SMILAX for Easter trade, when all green is scarce. Strong plants from 2½-in. pots, $2.50 per 100.

VIOLETS, extra large, field-grown clumps of Princess of Wales, $8.00 per 100. California, $5.00 per 100. These are well budded and will give immediate returns.

CHRYSANTHEMUM STOCK.
All the leading standard sorts and novelties. List of varieties and price on application.

Nathan Smith & Son,
ADRIAN, MICH.

Please mention the American Florist when writing.

PRIMROSES.

CHINESE, single mixed and **OBCONICA** Grandiflora, ready for 3-in. pots, $1 25 per 100.

PANSY PLANTS, Large flowering strain; none better, 50 cts. per 100; $2.50 per 1000.

CASH WITH ORDER.

JOS. H. CUNNINGHAM,
DELAWARE, O.

Please mention the American Florist when writing.

BROWALLIA GIGANTEA,
in full bloom, 2½-in. pots, $4.00 per 100.

BEGONIA GLOIRE DE LORRAINE,
in full bloom, 2½-in., $2.00 per doz.;
4 " extra fine plants, $4.00 per doz.

GERANIUM MARS, 2½-in., $5.00 per 100 CASH PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

A TRUE BONANZA

AND PRICES ON THE RISE.
THREE GEMS OF PUREST WATER.

Florists who grow their own plants and flowers will find none more profitable than our wonderful

3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."



IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other.

FOR CHRISTMAS OR NEW YEAR

nothing could be more pleasing, useful or profitable. While they last,

LARGE CLUMPS, READY TO DIVIDE,

$5 per 100 or 25 for $1 50 by express. Smaller ones by mail prepaid, same price.

A few hundred EXTRA LARGE CLUMPS, $10 per 100, $1.50 for 12.

Any of above should make dollar plants by Christmas.

THE GENUINE EDELWEISS
OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. *10 for $1, 25 for $2, mailed free.*

THE LACE FERN,

POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

ASPARAGUS SPRENGERI

2½-in., fine, $4.00 per 100; 3½-in., $7.00 per 100.; 5-in., $15.00 per 100—by express.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

☞"I made $75 more off 250 Baby Primroses than I did off 800 Violet plants; sold the flowers in New York I want more; also some of your new Forget-me-not. W. H. BURBANK, Florence, N. J.

FOR WINTER BLOOMING. The Orange Violet (Browallia Jameson); makes extra fine specimens; 2½ in., $1.25 per 12, express. Browallia Spectosa or Giant Violet, $1 per 12. Euphorbia Jacquiniflora, $1 25. Baby Primrose, 75c. New Primula Obconica hybrida, 75c. Golden Lilac (Centrum Aurantiacum), 75c. New pink Astilbe Chinense, offered first in Europe this year at $2 per one small plant; our price, field grown, very fragrant, $1 50 per 12. All except Orange Violet prepaid by mail or larger by express. Gloxinias, especially grown for Xmas blooming, fine plants, $7 per 100; 25 for $2. Little Gem Callas, $3 per 100; 75c per 12. Spotted Callas, monster bulbs, $5 per 10); smaller at $3 per 100, 25 at 100 rates.

A. BLANC & CO., Philadelphia.

Please mention the American Florist when writing.

Force! Force! Force!

	Per 100
SPIRAEA Japonica	$3.50
" Compacta	5.00
" Astilboides floribunda	5.00
" Japonica aurea reticulata	5.00
Extra fine and decorative.	
PAEONIA Officinalis rubra pleno	10.00
This is the true dark crimson variety, the earliest flowering Paeonia in existence, and the only one good for forcing.	
	Per 1000
LILY OF THE VALLEY, selected pips, (German)	$ 2.00
GLADIOLUS Colvilli The Bride	4.00
" " Rubra	4.00
" May, per 100, $2.50,	20.00

Pure white, finely flaked rose, the best for greenhouse planting.

Bobbink & Atkins,
RUTHERFORD, N. J.

Please mention the American Florist when writing.

MUST HAVE ROOM!

1000 DWARF CINERARIAS, Dreer's strain, from 3 in. pots, ready to go into 4 or 5-in., 60 $3.00 per 100. Satisfaction guaranteed. Low express rates. Will exchange for good Geranium.

J. S. BLOOM, Riegelsville, Pa.

Please mention the American Florist.

Verbenas...

75,000, all standard named sorts, much superior to the home made named seedling often sent out. Gauranteed all true to name.

REDUCED PRICES.

Rooted Cuttings, well rooted
60c. per 100; $5.50 per 1,000; 5,000 for $25.00
10,000 for $45.00; 25,000 for $100.00.

In larger lots, write for prices.
We don't care where you live—guaranteed to reach you in good shape.

Sent Prepaid.

S. T. DANLEY
MACOMB, ILL.

Please mention the American Florist when writing.

MAJOR BONNAFFON STOCK PLANTS FOR SALE.

10c apiece, $1 a doz., $6 a 100. These clumps are large and full of young growth and are from prize winning stock, flowers produced from same taking first prize wherever shown, five first premiums in one season. Also a limited quantity of other good varieties, such as Lady Fitzwygram, Ivory, H. W. Rieman, Mrs. C. H. Pierce, Yanoma, Mrs. Murdoch, Golden Wedding, Viviand-Morel, Philadelphia, Mrs. Seulberger, Sunderbruch, etc.

CUNNAR TEILMANN, Marion, Ind.

PETUNIAS, Double Fringed, a good collection of money makers, 2-in., per 100, $2.00; rooted, per 100, $1.00. Selaginella Denticulata, 2-in., per 100, $2.00. Geraniums, mxd., per 100, $1.50. E. I. Rawlings, Quakertown, Pa.

We beg to advise our friends and customers that the business formerly known as Ellis & Pollworth will now be conducted under the name of



Our line of FLORISTS' SUPPLIES is not excelled in the West.

Palms, Ferns, Wire Work, Red Flower Pots and Improved Cut Flower Boxes

ARE OUR LEADING SPECIALTIES.

PLACE ORDERS NOW FOR **Green and Holly** FOR THE HOLIDAYS....

Address all correspondence and orders, and make all Checks, Money Orders, etc, payable to

C. C. POLLWORTH CO., Milwaukee, Wis.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other var., 15c per 100; $1 per 1000; if by mail add 10c per 100.

PARSLEY, strong plants 35c per 100; $1.50 per 1000; $12.50 per 10,000 if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

STORM KING DAHLIA

READY NOW.. **For Forcing.**

Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.

W. P. PEACOCK, ATCO, N. J.

Please mention the American Florist when writing.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi dwarf, giant flowered finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants—2½ in., $2 00 per 100; $5.00 per 300; 3-in., $3 00 per 100; large plants, 4 in., $1 00 per doz.

SHELLROAD GREENHOUSE CO., ...Orange P. O., Baltimore, Md.

Please mention the American Florist when writing.

CYCLAMEN plants in 3-inch pots all sold.

Have some in thumb pots for growing on for next year, also fine plants in bud and bloom, in 5 and 6-inch pots, yet to offer. Further information cheerfully given.

EDWIN LONSDALE,

Wyndmoor, Chestnut Hill, Phila. Pa.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
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Prices low. Send for list.

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Please mention the American Florist when writing.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

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Kift's Adjustable Hanging Flower Vase and Plant Holder.

Ornamental, practical and useful; just the thing for short-stemmed flowers such as violets, orchids, valley, etc. Indispensable for show window and house decorations. The clasps are adjustable and can be placed in any position or angle. The fixture is made of solid brass, heavily nickel-plated and is practically indestructible. A larger size for five to six-inch potted plants, such as Adiantum Farleyense, Cyclamens, etc., shows these plants to the best possible advantage.

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A pointed glass tube fitted with a perforated rubber cap, through which the stem of the flower is placed. The cap holds the vase and the flower firmly together and prevents the escape of water in the tube, no matter at what angle it is placed. Useful for keeping flowers when sprayed on dinner tables, for basket handles, for orchid sprays which can be inserted in pots of Farleyense, etc., and is useful for hosts of decorative effects.

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MANUFACTURERS OF

Flower Pots.

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"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

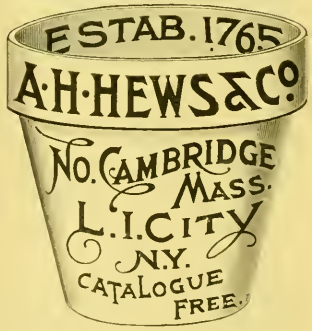
DETROIT FLOWER POT M'F'Y,

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Vinca Major Var.

Strong, field-grown clumps, $5.00 per 100. Layers, well-rooted, $1.50 per 100. CASH.

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Cincinnati.

TRADE EXCELLENT AND MARKET IN HEALTHY STATE.—PRICES HIGHER.—MURPHYS AND THEIR CARNATIONS.—NOTES.

Our storemen have shown much more activity the past week and business has been better all around. The cut flower market is getting suited more to the demand and there seems to be a better feeling on every hand. Roses and carnations have advanced in price and with Thanksgiving they went a notch or two higher. Violets are not over-plentiful and some retailers have difficulty in securing their supplies. Bulbous stock has been equal to the demand. Smilax, adiantum and asparagus have changed but little. The Oakley Rose Houses are sending in some choice Beauties.

Wm. Murphy and C. C. Murphy have been strictly "in it" with carnations and their houses never looked better. Robt. Murphy & Sons are coming in with their specialty, Daybreak.

Wm. Mann, of the Cincinnati Cut Flower Co., is suffering with a sprained ankle. Frank Ball, of the same firm, reports a good shipping trade.

H. SCHWARZ.

ST. PAUL.—A. H. Bunde, who moved out some distance and went into the growing business a few years since, will open a new place in the nearer residence district. Mr. Bunde is well known in the city and should rapidly pick up his old trade with a good share of the new business.



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Packed in small crates, easy to handle.

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1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	5 00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
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144 6 " "	3.16	6 16 " "	4.50

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2½ in., " ..	3 35	5 in., "	10 80
3 in., " ..	4 70	6 in., "	16 50

Packages extra.

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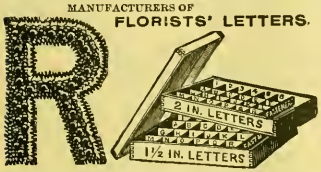
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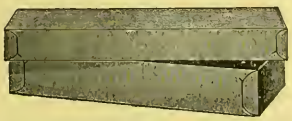


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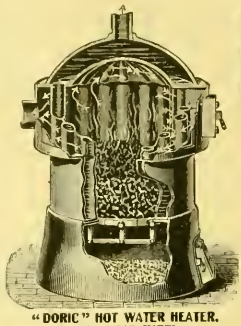
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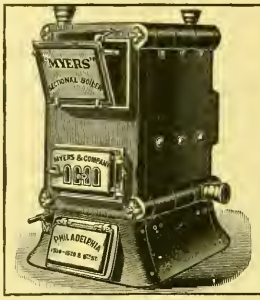
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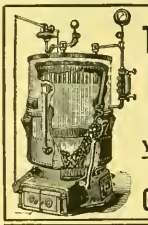
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THE AMERICAN FLORIST



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Vol. XV. **CHICAGO AND NEW YORK, DECEMBER 9, 1899.** **No. 601.**

THE AMERICAN FLORIST

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PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY.

324 Dearborn Street, Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, $1.00 a year. To Europe, $2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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Economical Landscaping for Railroad Corporations.

[Read by Paul Huebner, landscape gardener for the Reading Railway, before the Florists' Club of Philadelphia, December 4, 1899.]

The desirability of having the grounds around railroad stations embellished with grass plots, trees and shrubbery and livened up with foliage and flowering plants during the summer, is generally acknowledged to be of prime importance as an advertisement for the railroad, as well as an educative influence to the public at large.

Most railroad officials look at the question from the economic standpoint. They do not question the value of attractive stations along their lines provided it does not cost too much. The matter of cost at first sight frightens a great many from entering into this improvement; but when more closely looked into it is found that there are ways of accomplishing the desired result without large outlay. The corporation which I have had the honor to serve for a great many years in the capacity of landscape gardener, has, I think, solved the problem of how to manage this work economically. In order to show this to those interested I will give a brief account of the landscape work which is now a permanent feature of the Reading Railway.

In the first place it was decided that the most economical plan would be for the corporation to have its own outfit, consisting of a nursery for hardy trees, shrubs and plants, and propagating houses for soft-wooded, flowering and foliage subjects for summer decorations, with the necessary tools, etc., in connection with same and also help to run it. After the first year the cost of maintenance is comparatively small, the main item being for wages; but that is a small item in comparison to the expense if plants had to be bought in the open market.

For instance, I plant every season about 100,000 flowering and foliage plants, about as follows: 16,000 geraniums, 5,000 cannas, 18,000 alternantheras, 2,000 scarlet sages, 2,000 Begonia Vernon and varieties, 2,000 ageratums, 15,000 echeverias, 40,000 coleus, 3,000 abutilons, 2,000 acalyphas, 1,000 Centaurea candidissimas and 4,000 miscellaneous plants, such as celosias, amaranthuses, petunias, zinnias, vincas, etc.

These would cost at least $5,000 to buy and the whole cost of producing same is less than half that sum. In addition to the $5,000 there would be the cost of planting and maintaining, so that the economy of having an outfit is apparent. This view is still further enhanced when we consider the hardy stock in the nursery, which is all included in the first cost.

A special feature of my work which I think important, and one which I think any corporation might imitate to advantage, is the planting of privet hedges as a live snow-fence for the protection of lines from snowdrifts. These hedges are neat, effective and permanent and, last but not least, they are inexpensive. The privet I consider one of the finest hedge plants for this latitude. It is almost evergreen, has no insect or fungoid enemies, is a quick grower, and does not winter-kill. I have heard of some instances of its having suffered during the past very severe winter, but with me I can say positively that I have not lost a plant.

In regard to shrubbery, I use a dozen or more different varieties, such as deutzias, forsythias, spiræas, althæas weigelas, dogwoods, etc. One of the very best is Hydrangea paniculata grandiflora. I use this quite largely and find it very ornamental and lasting. Its flowers are so showy and persistent that its season continued much longer than others and I value it most highly. Evergreens I consider very effective indeed; the reason I have not used them more largely, is on account of their being of slower growth, but as my stock increases I will be able to make effective use of them. They are especially useful for the winter landscape.

In soft-wooded plants for summer effect I have already given a short list of the species I find most useful for my purpose. As to the varieties, among geraniums I recommend La Pilot for scarlet; it is one of the most telling crimson-scarlets to-day under favorable conditions. Although a French variety, it does very well with me if planted early in the season. If planted late it does not do so well. For pink I use Mme. Thiabaud, the best bloomer under all circumstances; it is a dark pink shade but very effective. For a light pink I use Glorieuse, a dwarf grower and very fine bloomer. For salmon, Mrs. E. G. Hill, also a constant bloomer. For white, Mme. Bazain; I think it is the best white yet. For edging of course I use the Mme. Salleroi.

Among cannas, when you come down to the fine point, Mme. Crozy has not been beaten yet in its color. For scarlet Beaute de Poitevine is one of the finest. If Columbia were only a better keeper over winter it would be preferred. I like Philadelphia but it is a little weak.

For yellow, Florence Vaughan and Golden Border, the latter a dwarf-growing variety excellent for borders. For dark foliage, Egandale, crimson, and Adm. Avellan, dark orange.

Of coleus I use Verschaffeltii, Golden Bedder, Queen Victoria, Nero, Golden Beauty and Mrs. Baird.

One of the most valuable bedding plants is Begonia Vernon, and I must say a good word for Erfordi. These varieties can stand the bright sun and are very showy.

As to crotons, here I hesitate. They are certainly among the most beautiful plants for summer outdoor decoration, but to keep the plants over winter they require a good deal more heat than my other bedding plants and consequently I am unable to use them, much as I would like to.

With the other items mentioned, I need not go into details, as there is nothing special to say as to varieties, but if any one has any questions to ask I will be glad to answer to the best of my ability.

In conclusion, I am free to say that the horticultural trade in general are under a debt of gratitude to the railway corporations which have done good work in beautifying the stations along their lines. This work is a grand public educator and brings custom to everyone in the business. I get letters from all over the country from people who are desirous of planting and whose first impulse in this direction was received from the picturesque and pleasing appearance of the stations along the line of the Reading Railway. And when economically managed there is no cheaper nor more effective means than this of advertising a line, and I hope the practice will be extended until every line in the country shall be of artistic as well as practical utility to the public at large.

Are Flower Shows Beneficial to Florists?

[Read by Edgar Sanders before the Chicago Florists' Club, December 1, 1899.]

I propose to take the broad ground that flower shows are beneficial to every florist in the city. I know there are some who will dispute the proposition; if he is present let him be heard. Nay, I go farther and assert that every display of flowers in the parks, in the gardens, in the florists' stores, aye, even in the streets, tends to encourage the use of flowers and create a demand therefor.

If this is so, why are not these displays beneficial to everyhody in the trade? What we want is more buyers. The grower as first hand, the wholesaler as second and the retailer as third distributor, needs no extra push nowadays to start or enter into the florist business, nor ever did in my experience. He may, as to the best way after starting to make a success of it.

After fully half a century of connections with flower shows myself in one form or another, it is an enigma to me to find so few florists of this city lending them a helping hand. Not a few seem actually indifferent whether they visit them at all, except they can get in for nothing. Why, out of easily 500 in the trade in this city, not 100 belong to either the Horticultural Society or the Florists' Club, which to my mind tells a strange story.

If my assertion is correct, that shows are an educator of the masses to love flowers, they should be encouraged in every way by those making a living from the sale of all horticultural products, which you see takes in all kinds, from state and county fairs, exhibits at horticultural and florists' societies' monthly meetings, up to the grand yearly fall show of flowers. Suppose for a moment, in your estimation, a good many of the exhibits are rather tame affairs. Do your share to improve them.

Surely none will dispute, if a flower show, in whatever form, encourages a taste for flowers, and causes more to be used, the grower can have no kick coming. Has it not been a fact at every one of our fall shows, prices for all good stock rise during that week, however dull the trade has been before. This being so we opine the wholesale man is equally benefited, as he gets bigger commissions by the booming of his trade.

The retail man, taking him in all his varied phases, may possibly kick at anything that tends to increase the price of the flowers he wants to buy. But low prices and gluts are the bane of the business, bad for everybody but the fakir. We will leave him to fight his own battles. He after all flourishes mainly through over production. If the growers cannot or will not adjust supplies to demand, which after all controls prices, there is bound to be trouble, as there is at times in everything obtained from the field and garden.

High or fancy prices long continued, is not a favorable condition of the market in the long run, any more than gluts and ruinous prices. If periodical gluts must come, you will have either to destroy enough flowers to bring an equilibrium, either at your greenhouses or in the commission house, or put up with these gentry one hears of so much, who in the time of low prices get rid of as many flowers as those we are accustomed to call legitimate retail florists.

I claim that if a florist in any of the divisions feels like aspiring to the top of his calling, he had better weigh well any thought he may have that he can afford to give societies and flower shows the cold shoulder. The grower needs the stimulus that a competitive exhibit of his stock against that of his neighbors may give him. It may take down a little of the conceit that he alone has the best that is going.

Will you, for example, you retail men, for a moment cast your thoughts back during the shows in this city in the past ten years, and note the names, for example, of the prize winners, say of decorative material, tables, mantels, etc.? Would not the story tell who commanded the cream of the trade of the time? Yes, there is surely danger in your standing aloof. The public, your customers, will be apt to be impressed by what they see. Consider the old adage—"To him that hath shall be given."

I have not touched on the advantages of flower shows in encouraging new pro-



CHRYSANTHEMUM ORIZABA.

ductions in the way of plants and flowers. Something new and fashionable to strike the public fancy, is what all progressive florists should aim at. Strike out for something novel and taking, and once obtained push it for all it is worth. Most successful men find great help from new things. Set your wits to work that you may also for a time enjoy the monopoly of something or other.

In conclusion, a florist who sees nothing helpful in flower shows reminds me of a Niagara Falls story I heard the other day. A Canadian police officer tells it something like this: "A Pennsylvania Dutchman hove in the other day and asked the officials at the falls if there was anything about the place worth seeing. 'You see,' he said, 'it's shust like dis. My frients and frau told me I should take id in, and I vant to take in everyting der iss to zee. Dey say der vas someting great here und I forgot it alreatty, and haf walked all ofer und zee noddings.' The visitor was at once taken to the finest view of the falls, where he stood a few minutes looking. 'Well,' said his conductor at last. 'Vell,' returned the man. 'Dont you see the Falls?' 'Vat, dot vater falling? Iss dot vat I coom all dis vays to zee, a liddle vater dripping? Jiminy, I go me home.'"

Let me suggest we want a higher tone in this florist business all around this city. We want a reading, thinking body of men, not mere machines that are content to plod on in a humdrum way. Let us have progressive men, and they will patronize our societies and take a deep interest in everything connected with their calling.

CHRYSANTHEMUMS.

WORK OF THE COMMITTEES.

Boston, December 2, Nathan Smith & Son, Adrian, Mich., exhibited Stelleta, which scored both scales ninety-seven points. White Bonnaflon, by same exhibitor, scored commercial scale eighty-seven points. For descriptions see last week's report. No reports from other committees. ELMER D. SMITH, Sec'y.

SOME NEW VARIETIES.

Orizaba is one of Nathan Smith & Son's newly certificated seedlings. It is a Japanese incurved of the type of Mrs. Henry Robinson, with fine stem and ample foliage. It is what is described as an "easy doer." It is a cross of Mrs. E. G. Hill and Mrs. W. C. Egan, from the same seed-head as Idavan. The color is light pink and the height three feet.

Goldmine is a rich golden yellow, outer petals reflexed and those of the center incurved in a whorl. It is a seedling of H. L. Sunderbruch × Modesto, originated by Nathan Smith & Son, Adrian, Mich., and the foliage and habit resembles Sunderbruch. It is unsurpassed in size, having been grown eleven inches in diameter. Planted in June it attained a height of three feet. This variety has heretofore been known as Stelleta.

The accompanying illustration shows a vase of five new European varieties. No. 1 is Mrs. C. Harmon Payne, a bold, handsome incurved flower of an exceedingly pleasing shade of deep pink, the reverse of silvery pink. No. 2 is H. J. Jones, which John N. May describes as the finest of the crimsons, a strikingly attractive flower, which does not burn, very early and very large. No. 3 is Pride of Stokill, an unusual combination of gold and crimson, very distinct in form and color. No. 4 is Lady Anglesy, a delightful blending of the varied shades of autumn colors, a useful flower for any purpose. No. 5 is President Bevin, orange at the base with a fine shade of carmine running through the edges of the petals, making it exceedingly attractive. All five are early blooming varieties.



CHRYSANTHEMUM GOLDMINE.

CARNATIONS.

FANCIES AND OTHER NOVELTIES.

The list of fancy or variegated carnations is not quite so long as is the roll of the pinks, but one who wishes an assortment will find a considerable range for selection. Mrs. Geo. M. Bradt is most prominent in this class and apparently fills a place among the fancies similar to that held by Buttercup as a yellow for such a long period. My own plants, and all that I have seen this season, seem to have increased rather than diminished in vigor and also in productiveness. This variety can not be grown as a cheap carnation, either for cuttings or flowers, but as it can always be sold for the highest market price that does not prevent it being the standard in its class.

Sandusky has a place in this assortment and is quite distinct but it has not been taken up as it really deserves to be. It seems to be a good one to grow for a cheaper flower than Mrs. Bradt and promises to give enough blooms to make it pay as such. There are some other rivals of Mrs. Bradt coming into view and possibly one of them may supplant that variety, but not for a year or two.

Of yellows there are but two worthy of mention. Mayor Pingree, with its grand flower and stem, is claimed by some to be too unproductive to pay, but I have found that it produces as many flowers as some varieties classed among the free bloomers, and they certainly are magnificent.

Gold Nugget does not give quite so fine a flower but is more productive and therefore more popular with most growers. With me all yellows are money losers, as my customers are not willing to pay the necessary money for them, in fact they claim that Pingree and Nugget, as fine as ever exhibited, are unsalable in any quantity. This seems strange

to me as a good yellow is not a bad sort of a carnation, but it is a fact that my customers can not sell 100 yellows to 1,000 of the other colors.

In choosing crimsons we are practically limited to C. W. Ward's two introductions of last season, Gen. Maceo and Gen. Gomez, both of which are worth a place in any establishment where a complete assortment is required. Each of these sorts seems considerably smaller than the blooms shown last season, but they are improving in size right along and will no doubt fill the bill in this color very nicely.

Having a new one of my own similar in color to Maud Adams I have not tried that variety and have not seen it growing but suppose it will be heard from later in the season. My own, or rather Sievers', named Leslie Paul, is a little late this season, but will give a fair cut for the holidays and is such a fine flower that even if its lateness proves to be characteristic, it will still be worth waiting for.

Sievers has given us some very novel shades in carnations and some retailers predicted that they would prove not worth growing, but later some of these very retailers were glad to get them. One of these novelties and perhaps the best, is a burnt orange called Elsie Ferguson, an early and free bloomer and quite a good one to have for variety. Perhaps a house or two would be a surplus with most growers, but from 100 to 500 plants could certainly be made to pay. Next in value to this is a light salmon, larger in size but with not quite so stiff a stem. The plant produces a surplus of grass, which can be used to advantage with the flowers, but it reduces the number of blooms per square foot of bench surface, as they require planting at least twelve inches apart each way. Not being a retailer I do not claim to know, but it seems to me that there should be room for a few of these novel shades and hybridizers might give us a few more to try.

ALBERT M. HERR.

Tree Life in Cities.

Tree life on Philadelphia's streets was diagnosed by City Forester John C. Lewis at a meeting of the Pennsylvania Horticultural Society, held at Horticultural Hall November 28, 1899. The difficulties in the way of tree growth on the streets and the means to overcome them were explained by Mr. Lewis in a very interesting paper. He told of the efforts of various organizations, including the Florists' Club, Civic Club and City Parks Association, looking toward extensive tree planting and declared that Mayor Ashbridge, in championing the project to plant trees on Broad street, should be supported by all citizens.

The City Forester stated that in diagnosing the city tree life he would confine himself to personal knowledge gained by close study and experiment and consultation and correspondence with other experts at home and abroad, "my statements," he said, "being supported by the silent but convincing evidence of great numbers of trees that luxuriate on our streets and on the streets of other cities in the United States and Europe, that have been planted under my personal direction."

Taking up his subject by sections, Mr. Lewis first described the difficulties surrounding tree life in the streets of every city. He told of the many enemies to growth, including the manner of street grading and paving, flying dust, variation of light, high buildings, floating exhaust steam impregnated with cyclinder oil, heat from dwellings, factories and hotels, caterpillars, small boys with pocket knives and the man who "inexcusably converts the tree into an impromptu hitching post." In summing up these enemies the speaker said: "These difficulties individually might be considered as minor matters, but in the aggregate they loom up in monstrous proportions and form a grand conspiracy against the future growth and development of the tree."

In considering what the Bureau of City Property has done in the endeavor to surmount these difficulties, and the success thus far attained, Mr. Lewis told how the hole for each tree is now made large enough to receive a cartload of rich earth brought from the suburbs and of the mixture of broken oyster shells, the lime in which absorbs and neutralizes the subterranean gases. Packing the earth properly prevents vibration.

"The most successful remedy we have applied to prevent the accumulation of dust on the leaves, and the oily particles that descend with the condensed exhaust steam, together with the residue of acids and gases formulated by the multitudinous ranges, heaters and furnaces throughout the city, in the absence of rain, is to spray the trees occasionally with a solution of whale oil soap, alternated later on with water alone. This forms a filmy shield over the surface of the leaf on which these deleterious atoms rest, and which the after applications of water easily remove, thus promoting a healthy growth and also preventing to a very great extent the ravages of the caterpillar and other numerous insects that delight to prey upon the trees."

The iron tree box was declared against as an enemy and the wooden stake was also condemned. Wire cloth was asserted to be the proper thing to use for tree guards.

"As to the caterpillar," said Mr. Lewis, "we can safely say the back of this pest is broken, and if a greater number of our citizens had only made an effort last year to cleanse their trees, the caterpillar would now be a thing of the past, as far as Philadelphia is concerned. For four successive years the Bureau of City Property, at a great expense and using all the available force at its command, with the aid of a steam spraying machine, has preserved the luxuriant foliage in our parks, whereas great numbers of trees on our streets, over which we have exercised no control, have been neglected, and the caterpillar has roamed at will. The result is, next season the caterpillar will again be in evidence, the expense to the city will be continued, and other important improvement operations again retarded.

As to the varieties experience teaches



NEW EUROPEAN CHRYSANTHEMUMS.



STORE OF HOLTON & HUNKLE CO., MILWAUKEE.

are best adapted to the street conditions of Philadelpbia, the City Forester said: "All trees are beautiful beyond doubt or contradiction, but it does not follow that all are suitable for specific locations, hence a choice becomes necessary. The Bureau has arrived at conclusions which enables it to say further experiment is unnecessary. Platanus orientalis is one of, if not the best tree for our purpose. The Norway, sugar and silver maples are most beautiful trees, especially the two former, but the silver maple is very desirable when planted under cement pavements and can be used in places less suitable for the Norway or sugar."

"Other trees favored are the American and European lindens, Populus balsamifera and Liriodendron tulipifera, the former growing where no other tree will exist; the sweet gum, the pin oak and the willow-leaved oak, which are the most symmetrical growers of the oak family, but are not so picturesque in the first few years of their life as some other varieties of trees."

Speaking of the elm, Mr. Lewis said: "Of all trees that should be planted in Philadelphia none is more representative than the noble elm, the tree under which this city and our great commonwealth were born and which we should cherish as the Pennsylvania tree. I have been informed that numbers of people throughout the country have given up planting the elm on account of the ravages of the borer, but this is a very wrong idea. If all tree planters were to make the same resolution, in course of time that noble tree would become extinct. If we cannot annihilate the destroyer in every case, we must do the next best thing, we must remedy the effect as much as possible, and this is what the Bureau of City Property has been and is endeavoring to do.

"The Bureau is resolved to spare no effort in the prosecution of its plans to beautify our small parks and the sidewalks of our city. By way of review I ask comparison of our city parks and squares, which extend from Tacony to Darby and from Roxborough to League Island, and in the aggregate cover an area of 600 acres, with the same four years ago, and see if a vast improvement has not been made."

In conclusion Mr. Lewis said: "Tree planting on our city streets must not be considered altogether in the light of a beneficence but as a plain matter of duty, a duty we owe to posterity. That duty demands that we hand down this grand city, made grander, to our children and to unborn millions that will follow us, as far as in us lies, in accordance with the wishes of our best people to-day, which are parallel with the ideas of our ancestors and founders of this great city, that to its other noble features it shall be a city of noble trees."

A Milwaukee Commission House.

Although the Milwaukee market is not so close to the very largest growers as is Chicago, there has developed a remarkable growth in trade during the past few years, which affords a careful observer some incentive for study. One not thoroughly alive to the situation would say that the limited amount of glass devoted to specialties and the situation of the city would not support more than a limited amount of trade, but those who reasoned thus failed to consider the powerful influence in the personality of those who are managing affairs in this particular. The youngest firm wholesaling flowers, Holton & Hunkel Co., whose store we illustrate, is a noteworthy example. Their personal care of the stock consigned to them has won the confidence of shippers so as to create a steady stream from all directions, even from localities not considered tributary to Milwaukee. They at first dealt in flowers exclusively, but for the accommodation of patrons have added florists' supplies. The amount of flowers handled daily by these young men and their assistants astonishes the older florists. A few years ago a majority of the city florists ordered stock from Chicago, Cincinnati and the east, but now, although the amount consumed has largely increased, local retailers rarely order from out of town. C. B. W.

STEVENS POINT, WIS.—On the night of Nov. 28 A. V. Broome's greenhouses were destroyed by fire, presumably of incendiary origiu.

SALT LAKE CITY, UTAH.—Fire resulting from a defective heater did some little damage in the greenhouse of Angus M. Cannon on the night of November 22.

CONNEAUT, O.—Henry J. Krueger reports Thanksgiving trade as fully fifty per cent ahead of last year although prices were not quite so good. He is having a big run of funeral work.

BUFFALO, N. Y.—J. J. Albright, who presented this city with a rare collection of palms and tropical plants valued at $40,000, is having new conservatories built for same at his own expense.

Boston.

BUSINESS BRISK.—EVERYBODY SATISFIED BUT THE FAKIRS.—MARKET FIRM.—NO OVER-SUPPLY.—WHITE FLOWERS IN DEMAND.—HORTICULTURAL SOCIETY POSTPONES BUILDING OPERATIONS—EXHIBITION OF CHILDREN'S HERBARIUMS.—VARIOUS NOTES OF INTEREST.

Business is good. Everybody says so this time and so the statement will not be questioned by either grower, middleman or retailer, whether he sells roses, carnations, holly, baskets or toothpicks. The perversity that led to the picking of every solitary flower for Thanksgiving day was rewarded by a shortage for the days immediately following and prices were naturally much firmer than they had been for the holiday. Street fakirs cannot understand how it all happens and have been in a state of agitation for a week, but their accustomed prey, the commission men and the box men in the market, have no time to fool with them just now and their chattering is wasted. Carnations are doing as well, proportionately, as any other flower and as well as they ever did, as to value in the market, and there is nothing in sight to indicate any different condition until after the holidays. White varieties, both of carnations and roses, hold their own well this week for there seems to be an unusual amount of funeral work coming in. Lilies, callas and other white flowers are all in demand but the quantity of Paper White narcissi and Roman hyacinths being cut prevents any pressing stringency. Roses are excellent in quality, all varieties responding nicely to the clear, cold weather now prevailing and the cut is reduced to somewhere near the actual demand, so that values are very steady for salable stock.

At the monthly meeting of the Massachusetts Horticultural Society on December 2, the committee on new hall made a report to the effect that on account of the great advance in price of all materials required for building, they had decided to defer further action until next spring. Plans are practically completed but to carry them out under prevailing conditions would require an amount considerably larger than the sum appropriated by the society which, however, would have been amply sufficient at prices in effect last spring at the time the appropriation was made.

The two days' exhibition of herbariums by the children, at Horticultural Hall last week, attracted many visitors and the work of the twenty-five young exhibitors was exceptionally fine throughout. This was the ninth annual display of the kind here and the specimens spread out on long tables completely filled the two halls. The exhibit of one little Miss comprised 125 specimens, all correctly named botanically, and many others were equally a revelation as to the remarkable development of a love for botany which is resulting from this well directed effort of the Massachusetts Horticultural Society.

Lawrence Cotter has added to his visible assets, one new boy, a heavy weight who in twenty-one years will be a sturdy American citizen.

J. A. Pettigrew has gone for a brief visit to Biltmore, N. C., in company with ex-Mayor Mathews.

Plants at McCarthy's auction sale on Tuesday brought satisfactory prices for the season.

Visitors: J. R. Fotheringham, Tarrytown, N. Y.; Mr. and Mrs. Jos. Fuller, Lancaster; H. Thiemann, Manchester.

New York.

GREATER GOTHAM SHARES IN THE GENERAL PROSPERITY.—BRISK DEMAND AND ON SHORT SUPPLY.—DIFFERENCE IN CONDITIONS.—PLANT GROWERS IN GOOD SHAPE FOR THE HOLIDAYS.

Smiling faces have illumined the recesses of Twenty-eighth street, Twenty-ninth street, Thirtieth street and other localities where the wholesale flower trade makes its home, ever since December 1. A full week of general felicitation of this nature is a rare novelty and is well worthy of record. As compared with conditions prevailing one year ago the situation is very gratifying. The first of December last year saw a huge overstock of flowers and a most unweildly surplus encumbered the market, with little encouragement in the immediate future. This year shows a healthy demand for carnations, American Beauties and special stock generally with the supply limited and the cut of stock in the lower grades also sufficiently limited to keep the Greeks on the anxious seat and insure their paying a reasonable price for what they carry away.

Plant growers are making good progress towards a fine stock for the holidays and they could not have better weather to insure the presentation of a grade of flowering plants that will do them credit. The plant trade for Christmas has shown a marvelous advancement in volume and in quality of the product each year. Cyclamens, ericas, poinsettias, primroses and ardesias never looked better than they do this season and it looks as though the demand for orange trees would far exceed the supply.

After the election of officers of the Florists' Club next Monday evening refreshments will be served and an entertainment given by members.

The Trauth place at Flatbush was sold under the auctioneer's hammer on December 7 and brought $8,100.

Henry Dailledouze has started upon a western trip.

Visitor: Albert M. Herr, Lancaster, Pa.

Philadelphia.

TRADE NOW ON THE PROPER BASIS.—STOCK NOT TOO PLENTIFUL.—PRICES GOOD.—SPECIALTIES IN DEMAND.—REVIEW OF THE CHRYSANTHEMUM SEASON.—MANY OFFERINGS OF GREENS.—MEETING OF THE CLUB.

The trade winds have at last got around to the right quarter and are moving things along lively and, best of all, steadily. Instead of wondering how to get rid of the left-over stock at the close of the day the dealers now look over their advance orders and lay plans to secure enough stock to fill them. There is a good demand for all first-class stock, in fact many of the second grades are worked off as firsts, there not being enough of the latter to go around. Beauties of all grades are much in demand and range in price from $2 per dozen for twelve-inch stems to $5 and $6 for three to four-foot lengths. They are very good now, both in color and form. Bridesmaids and Meteors are the next favorites and sell at from $6 to $10 per hundred. A few Golden Gate are coming in and sell fairly well. Liberty is much in demand, its brilliant color being away ahead of anything else. Carnations are now forging to the front; $6 per hundred is paid quite freely for select Crocker and America. Robert Craig & Son and Albert M. Herr are sending in fine Crocker; S. S. Pennock is handling Mr. Herr's stock. Fair blooms of the standard kinds now bring $2, while $3 is readily obtained for select flowers. Good mignonette is $3 to $4; double violets are in fair demand at $1 to $1.50 per hundred and 75 cents to $1 is asked for the best Californias. Chrysanthemums are at an end for 1899 and it can be said that there was scarcely any time this fall when the market was over stocked and for the most part the demand was good. There are no longiflorums or Harrisii in this market as yet.

That Christmas is almost here is evidenced by the boxes of holly and other Christmas greens that are to be seen on the streets. Cards and letters from "unknown" correspondents are being received in every mail, asking for orders for holly, mistletoe and green and also querying, "how much are you paying for it?" Heaps of trouble are ahead for the man who gets tangled up with this class of dealers. As one of the advertisers puts it "one case of holly in the store is worth five on the way" and that is generally where the Christmas greens are that are ordered from inexperienced packers.

The meeting of the Florists' Club last Tuesday evening was fairly well attended. Paul Huebner's paper on landscaping about railroad stations was an interesting document. Mr. Huebner's work on the grounds about the stations of the Reading Railway near this city show him to be a master hand at the business. Several new members were elected; the club is rapidly increasing in membership and bids fair to soon have the largest list of active members in the country.

K.

Chicago.

TRADE BRISK AND STOCK SCARCE.—PRICES GO AHEAD OF THANKSGIVING LIST.—PROSPECTS FOR CHRISTMAS.—PROBABILITY OF GOOD STOCK.—WEBER BROS. LAY OFF FOR THE WINTER.—A GOOD WHITE SEEDLING CARNATION.—BUDLONG TO BUILD.—STORE WINDOWS GAY.—CLUB MEETING AND OTHER JOTTINGS.

This has been another busy week in this market. Local trade has been good and shipping orders plentiful. Stock has been short and prices have frequently exceeded the Thanksgiving list, choice roses bringing 10 cents. Toward the latter part of the week the bright weather afforded a prospect for larger supplies but at this season the sum is not to be counted upon and prevailing rates are apt to be current up to the holidays. The present indications are that Christmas supplies will be adequate to meet the demand and that all orders will be filled but that rates will be reasonably high. In compensation for the fair prices now in force the growers promise a grade of stock which has seldom been equaled at this season. The rose plants are in splendid shape and carnations are improving every day, with excellent prospects for the holidays. The shortage of stock is such that such flowers as Paper White narcissi are now largely relied upon for funeral work and growers of such lines are assured of a market.

Weber Bros. sent in the last of their 40,000 chrysanthemums on Thursday and are practically out of business, in fact some of their houses are now being demolished. The establishment may be rebuilt for them in the spring, at least they expect to make some arrangement whereby they will continue to grow for this market. They are well pleased with the returns from their chrysanthemum crop. Budlong sold most of the cut and the average price was easily 10 cents per bloom.

Bassett & Washburn are enjoying a trade which is taxing the productiveness of their establishment to the limit. They are cutting some fine blooms of a white seedling carnation which they have grown for two years and which will eventually be heard of as either Hinsdale or Burlington, the name not yet having been decided upon. They have a few hundred Leslie Paul which are giving excellent blooms but not in satisfactory quantity.

The store windows are again a constant attraction to passers-by. Lange and Mangel always have admirers before their displays and the handsomest show in town this week has been at Samuelson's, where Harrisii lilies were the prominent feature. Friedman had a fine lot of cyclamens for his window.

At last week's meeting of the Florists' Club the postponed discussion of the benefits of the annual flower show was opened by a brief paper by ex-president Edgar Sanders. The argument proved to be like the proverbial jug handle, no dissenting voice being raised when it was asserted that the horticultural society's exhibition are of incalculable value to the trade.

Chrysanthemums are nearly out of the market, such big growers as Poehlmann having cut the last of their stock considerably earlier than a year ago. At no time this year has the market been glutted with chrysanthemums and the general verdict is that the crop was marketed at satisfactory rates throughout.

J. A. Budlong is planning a further increase in his glass for next season. He will certainly build three houses 24x300 for Beauties and may conclude to put up five. They will be constructed upon the same lines as the three splendid houses built last spring.

Some of the local commission men say that the reported deal in ferns has proven ineffectual and that there will be no advance other than one governed entirely by the law of supply and demand.

The City of Chicago is going into the cut flower business, three greenhouses 15x75 feet having been built at the bridewell, in which the women prisoners will be employed.

E. E. Pieser's advice to growers, which will be found in another column, is particularly timely and well worth the careful attention of all growers.

Herman Holtz has embarked in business at 1047 Sheffield avenue and is constructing four houses, mostly for carnations and bedding stock.

A. C. Kohlbrand left the Kennicott Bros. Co. on Thursday.

St. Louis.

A PROSPEROUS THANKSGIVING.—HEAVY DEMAND ACCENTUATES A SCARCITY.—PRICES HIGH.—DEALERS EXPECT MUCH OF THIS DAY.

Thanksgiving trade was very good, with stock of all kinds very scarce. The wholesale men were in great glee and prices went up a few pegs on all kinds of stock. Carnations were good sellers and the supply fair, although the demand was so great that they seemed scarce. Carnations keep well at this season of the year and very few sleepy ones are seen. The fancy varieties were up to $4 per hundred and even the common sorts brought $2 50. Roses were also in great demand. Beauties were $3 and $4 per dozen and fine teas brought from $4 to $8 per hundred. Chrysanthemums are almost entirely out of the market. Romans, narcissi, lily of the valley and other bulbous stock sold well but the supply was equal to the demand. Some of our largest florists predict that Thanksgiving day will soon equal Christmas. Henry G. Berning, one of our leading commission men, says that a great many shipping orders could not be filled this year owing to the scarcity of stock and the big demand at home. LOUISIANA.

Buffalo.

BUSY SEASON DAWNS.—GREAT SCARCITY OF STOCK.—GOOD ROSES MADE POOR BY BAD PACKING.—SCOTT'S SONS GO EAST.

Trade has been very fair since the approach of Thanksgiving and stock has been scare. On Monday we had a genuine winter day with snow enough to block traffic. Now we're ready for the greens men. The shortage of stock was particularly noticeable on Wednesday, the day before the feast, and there were some very funny incidents at Kasting's, where buyers scrambled for anything with which to carry on their business; there wasn't nearly enough to go around. Carnations and violets were the hardest to get; roses were reasonably plentiful but the quality was only fair. It seems strange that some good growers should spend extra time and money in producing high grade stock and then ruin it by the miserable packing which we not infrequently see.

Wm. Scott, Jr., and David J. Scott have gone to New York and Philadelphia. The latter will spend a year or more familiarizing himself with the methods of the eastern specialists and fitting himself to become a worthy successor to his illustrious sire. W. A.

Kalamazoo, Mich.

Since my last call on Van Bochove Bros. some ten months ago, I found a marked change about their greenhouse establishment. Aside from the general improvements and overhauling, which gives this place an attractive appearance, they have added during the past summer three houses, each 26x150, a new boiler room and a coal shed. Thus equipped, they are now in a position to handle both their retail and wholesale trade in good shape. Their entire plant consists now of fifteen houses, comprising about 35,000 feet of glass, five of which are given to carnations, five to roses, four to palms and miscellaneous stock, and one to smilax.

A fine and commodious office, well lighted, splendidly furnished and equipped with all the modern conveniences, is another feature of comparatively recent introduction. A stroll through the houses showed the writer that roses, carnations and chrysanthemums are doing exceptionally fine in Kalamazoo soil, the soil that is known the world over for its celery producing qualities. However, with all due respect to the soil, I must not overlook the fact that Van Bochove Bros. are good all-around growers.

Mrs. Joseph Dunkley, who undertook the management of the greenhouses after the demise of her husband about a year and a half ago, proves conclusively that the American women—God bless them—are equal to the occasion, no matter what difficulties there may be in the way, and can manage a greenhouse plant just as well as they can attend to their household duties. Whatever changes I noticed about the place were of an improved character, while the general stock looked well and promising.

Business has never been better.

HOMO.

A Half Century of Development.

In July, 1833, there landed on the banks of the Erie Canal a family of four Alsatians, short in stature, but of strong build. The son, a lad of eighteen, led the way out to Pine Hill, New York, where a relative advised them to buy a farm with a small clearing, the rest with heavy pine and oak timber. This cleared, a beautiful piece of land was opened to view. It was farmed at first, but in 1849 the late Godfrey Zimmerman started upon it the Pine Hill Nurseries. Most of the orchards of western New York have been supplied with stock, sooner or later, from there. The streets of Buffalo are lined with trees and the lawns decorated with shrubs from these nurseries. During half a century the Pine Hill Nurseries have maintained a reputation for trustworthy stock and fair and honest dealing. This explains why they are so well known through western New York, and why the name is held in such respect. A reputation of this kind lasts.

Within the last few weeks a new department has been added to the establishment, now conducted by C. D. Zimmerman, that of cut flowers and interior decorating. A neat little store and greenhouse has been erected at the corner of Chippewa and Franklin streets, in Buffalo, transforming an unsightly lot full of rubbish into a very attractive spot. Inside all is beautifully arranged with cut flowers, palms and other decorative plants.

This establishment is now very complete in every line of horticulture. In the fruit department all new fruits are being tested and sent out. The ornamental and landscape gardening department has grown steadily. A large force is constantly employed under the direction of James Brown, planting, grading, etc., in summer, and trimming in winter. The store at No. 50 West Chippewa street is in the charge of Miss Skinner, and is already quite popular. The show of American Beauties and chrysanthemums this fall was not surpassed by any of the older stands. The electric lighting is fine, and draws many spectators like human moths to the big window.

Bay City, Mich.

Boehringer Bros. report a splendid trade all along the line, the demand for chrysanthemums of all grades, roses and carnations having surpassed their most sanguine expectations. Fortunately for them, they are well equipped this season to meet all demands and to take good care of their trade. Their general stock of cut flowers and plants never looked finer. During the past summer the Boehringer Bros. added two more houses to their plant, having also built a cold storage house where bulbous stock, intended for late forcing, is kept in fine shape. Messrs. Boehringer Bros. are but six years in the flower business, having started during the memorable panic of 1893, at a time when but few, if any, ventures were deemed wise. Despite adverse business conditions, they forged their way onward and through hard work, perseverence and indomitable energy they have achieved the success so well deserve. Their original plant has expanded to five times its size, until at the present time we find them with ten modern houses, 15,000 feet of glass. HOMO.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate, $1.00 per inch. Cash with Order.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THE exhibition season just closed shows that the chrysanthemum has gained somewhat in popularity during the past twelve months.

NICOTIANA SYLVESTRIS, a new ornamental tobacco, growing about five feet high and producing pure white, star-shaped blooms in profusion, will probably be offered next spring.

THE decision of the United States Supreme Court in what is known as the Adystone pipe case is a distinct blow to trusts and falls upon a combination directly prejudicial to the interests of greenhousemen, an arrangement to apportion territory and suppress competition in the sale of iron pipe.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Robert Montgomery registers Rose Mrs. Oliver Ames, a sport from Mrs. J. Pierpont Morgan. Color delicate pink with faint line of deeper color at edge of petal, softening to almost pure white at base of petal. Other characteristics identical with parent.

WM. J. STEWART, Sec'y.

Greenhouse Building.

Greenwich, Conn.—Alex. Mead & Son, one house 21x100, one 16x85, one 12x100, one 6x20.

Danielson, Conn.—E. P. Danielson, remodeling and enlarging several houses.

South Braintree, Mass.—N. E. Hayden, one forcing house.

Canonsburg, Pa.—Bell Thompson, one commercial house 22x63.

Hinsdale, N. H.—Wm. J. Estey, one forcing house 15x100.

East Braintree, Mass.—Geo. Hussey, one fern house. Joseph Spear, one house.

Los Angeles, Cal.—Howard & Smith, one house.

Alton, Ill.—Spring Rock Park, propagating house.

Chicago.—J. A. Budlong, range of rose houses. Herman Holtz, four carnation houses.

Hillsdale, Mich.—S. J. Shank, one greenhouse.

The Liberty Rose.

In your issue of the AMERICAN FLORIST of October 28, page 356, there is an article on Liberty rose, stating that a mock or spurious Liberty is being offered for sale, and that young plants were being offered to publishers of catalogues some months ago. We would like to state that the stock of Liberty is in the hands of two firms in this country, ourselves and Ernst Asmus, of West Hoboken, N. J., and no plants will be delivered before March, 1900.

The originators of Liberty rose, Alexander Dickson & Sons, of Belfast, Ireland, whose sole agents we are in this country, wrote us not long ago that the name Liberty was never applied at their nurseries to the seedling rose bearing that name; they only had a limited stock under number, and they are very positive that not a single scion or cutting has left their place excepting the stock shipped to ourselves and Mr. Asmus. We make this statement because the true Liberty is the best crimson rose ever offered to the American public, and we wish to protect your readers from any one wishing to sell them a spurious variety. It can only be had from ourselves and Mr. Asmus and from our several agents, and from E. M. Wood & Co., of Natick, Mass., who have the sole right for the New England states.

ROBT. SCOTT & SONS.

Sharon Hill, Pa.

I notice in your issue of October 21, under Philadelphia notes, page 326, that a mock Liberty is being offered. I would therefore warn all would-be purchasers of Liberty rose to be careful from whom they buy, if they want to procure the genuine Liberty, the best red forcing rose of the century.

The originators of Liberty are Alex. Dickson & Sons, of Belfast, Ireland, of whom I bought the half interest in the rose, which was then under number, and at my suggestion was christened Liberty. Nobody but myself and Robert Scott & Son, agents for Alex. Dickson & Sons, or our authorized agents and E. M. Wood, of Natick, Mass., who has purchased one quarter of the stock for the New England states, has a right to sell Liberty in America, and it will not be put on the market before March, 1900.

The mock Liberty, said to have been offered, is an old rose, being put on the market by P. Lambert, of Trier, Germany, in 1897, under name Gruss an Teplitz. It is said to be of climbing habit, only semi-double and worthless as a forcing rose and if, as has been said, this rose has been sold to catalogue men, with the intention of putting it on the market as Liberty, I hereby announce that I will prosecute any one who dares to substitute Gruss an Teplitz for Liberty, and sell it to the public as such.

Liberty has been registered by me, with the Society of American Florists, giving its full description. ERNST G. ASMUS.

West Hoboken N. J.

Holiday Points for Growers.

Thanksgiving brought a repetition of the usual holiday experience with obdurate growers, not so bad this time as it frequently is, but just the same many of them held back stock until the last minute, getting it to market too late to be available for country orders and causing a slight over-supply of violets and carnations on Wednesday. The result was that, instead of realizing the top price, some long lots had to be forced in order to get back to the starting prices.

A grower who produces flowers for sale through a commission house should get the greater part of his cut in two or three days before each holiday, not as a matter of convenience to the commission man, but as a means of profit to both. The commission man must fill his long distance orders the third day before the holiday and the one night runs the second day; there's nothing left but the local demand for the twenty-four hours preceding the holiday. The grower must not forget that the commission man sells to the trade and that the retailer must have his stock in time to sell it himself on the day so many growers persistently select for consigning a big proportion of their cut.

Now to apply this advice to the future, Christmas comes December 25; every commission man wants his stock on December 22 and 23; he can make more money out of it then. The next day there will be nothing but the home trade to take whatever stock is held back, and there are a plenty of peddlers and more than fifteen wholesale florists to supply the wants of Chicago retailers.

Don't hold back, or "pickle" your stock; you will only hurt yourself. Remember that it is better to sell fewer flowers at a fat price than a greater number at a less figure. By keeping the stock coming you get the advantage of the increased price caused by the extra demand for the holiday, but if you hold back your cut you not only have poor flowers but you have made stock plentiful and both these influences cut down the returns which you might have.

There is still another point which growers should bear in mind. Don't cut too closely before a holiday, even if stock is scarce. Remember that it never fails that after a holiday with a scarcity and good prices the prices hold for a day or two and sometimes many days afterward, just as they have done at this Thanksgiving. Note that by not cutting too closely you keep down the holiday supply and do your part to help hold the prices which your finished flowers will then command, but you also remain in a position to profit by the opportunities of the next few days.

The principal point is that the buyers do not object to high holiday prices if the right quality is in the stock, but they are justified in protesting if you flood the market with poor grades and still ask the high-grade price; they simply won't buy if they can help themselves. The best thing to do is to write to your commission man and tell him just what you expect to have for each special occasion, tell him the quantity and grade and be just as honest as you can. Then when he answers you follow his instructions to the letter and ninety-nine times out of 100 you will be the gainer. Remember that the more fifteen per cent you pay the more eighty-five per cent you get; you can see for yourself that the commission man will not misadvise you if he can help himself. E. E. PIESER.

Catalogues and Cut Flower Price List Received.

Caldwell The Woodsman Co., Evergreen, Ala., decorative evergreens; Mitchell Greenhouses, Mitchell, So. Dak., plants and cut flowers; Hanchett Paper Co., Chicago, Ill., fruit baskets; Eastern Chemical Co., Boston, Mass., plant foods; Poole & Bailey, New York, N. Y. kerosene soap; Gurney Heater Co., Boston, Mass., heaters; F. Morel & Sons, Lyon-Vaise, France, trees and shrubs; Damann & Co., San Giovanni a Teduccio, nr. Naples Italy, seeds and bulbs; J. B. Deamud, Chicago, Ill., cut flowers and florists' supplies; Bassett & Washburn, Chicago, Ill., cut flowers and florists, supplies; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers; C. C. Pollworth Co., Milwaukee, Wis., cut flowers and florists' supplies; Kennicott Bros. Co., Chicago, cut flowers.

Detroit.

SPLENDID BUSINESS ON SHORT MARKET.—PRICES SURPRISE THE BUYERS.—FLORISTS' CLUB PLANS A FALL SHOW.

Thanksgiving trade was the best ever known here; the greatest difficulty was to secure the stock necessary to fill orders. Carnations and violets were very much in demand but the available quantity was short, although the quality was generally good. The necessarily increased prices of flowers of all kinds was a surprise to the public but was in most cases cheerfully acquiesced in.

The Florists' Club meeting on Wednesday evening was devoted to the consideration of the contemplated chrysanthemum show next year, and a committee was appointed to see the ladies representing the several charitable institutions of the city and ask their co-operation with a view to sharing the net profits of the show with those charities.

Breitmeyers' annual show merited the praise and admiration of the hundreds of visitors who crowded the place for four days. Orchids were a conspicuous feature, beautifully and skillfully arranged.

B. Schroeter had the extensive decoration of our largest dry goods store, all done with holly and ground pine, over 3,000 yards of the latter being used.

Our club has presented Robert Flowerday, the secretary, with a solid gold watch chain and Knights Templar charm in appreciation of his work in connection with our convention.

Visitors: C. W. Ward, Queens, N. Y.; S. S. Skidelsky, Philadelphia; Arnold Ringier, Chicago. J. F. S.

Indianapolis.

THANKSGIVING BRINGS BUSY SEASON.—PRICES DOUBLE.—POINSETTIAS APPRECIATED.—MEETING OF THE FLORISTS' SOCIETY AND OTHER NOTES.

While Thanksgiving but slightly stimulated the trade in pot plants, it brought excellent business in the line of cut flowers; these were sold out clean, both on market and in the stores, at prices almost double what they were the week before. A fair grade of roses brought $8 per hundred wholesale, carnations $4 and violets $2. Poinsettias, which formerly were used only for Christmas decorations, have this year been in demand since Thanksgiving. Evidently people are beginning to appreciate their value.

In spite of very unfavorable weather December 5, the meeting of the Society of Indiana Florists was well attended. Mr. Langstaff took the chair in place of Mr. Bowers, the vice-president, who was absent. Axle Nelson read a paper on rose culture which was received with much interest and provoked an animated discussion in which Messrs. Hatfield, Junge, Hartje and Rieman had a great deal to say. The secretary announced that a party of Cincinnati florists will stop here some time next week on their way to LaFayette. Messrs. Huntington, Huckriede and McKain were appointed a committee to take care of our friends during their stay. As customary, the secretary requested the appointment of a committee to examine the books of the association and Messrs. Hartje, Hatfield and Junge were named. At the annual meeting, which will take place in this city in January, the Indianapolis florists will take pleasure in giving an entertainment in honor of their out of town guests.

Wm. Bertermann has left for Asheville, N. C., to spend the winter.

Bert Stanley has opened a flower store on Fort Wayne avenue. H. JUNGE.

OBITUARY.

GEORGE CLARK.

George Clark, the veteran horticulturist, died at his home near Oswego, N. Y., December 2, aged 87 years.

MRS. A. M'ARTHUR.

Mrs. Andrew McArthur died at her home at Orange, N. J., on Saturday, December 2. Mr. McArthur has the sympathy of his many friends in the craft.

ISAAC MATTHEWS.

The senior of the well-known English nursery and seed firm of Isaac Matthews & Sons died November 10, aged 73 years. He succeeded his father in the business, which will now pass to the third generation.

C. N. WHITTEN.

Charles Newhall Whitten, son of the late C. V. Whitten, who died last week in New Orleans, was buried at Forest Hills Cemetery, Boston, Sunday, December 3. Mr. Whitten's death was the result of illness contracted while in camp at Tampa during the war. He was twenty-nine years of age.

CONCORD, N. H.—George Main celebrated his eightieth birthday on November 24, which was also the fifty-seventh anniversary of the marriage of Mr. and Mrs. Main. The day was pleasantly observed, many of their townspeople calling and extending congratulations.

SYCAMORE, ILL.—Elmer E. Boynton and Miss Rose Hollad Langhorn will be married on Tuesday evening, December 12, at St. Peter's Episcopal church and will be at home to their friends after New Year's day at 68 North Main street, Sycamore.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV (situations only) free to be used at any time during the year.

SITUATION WANTED—Florist 8 years' experience, roses, carnations; single, age 28. References. 55 E. Pomfret St., Carlisle, Pa.

SITUATION WANTED—To take charge, 10 years' in last place, references. Address WM. KIRKHAM, Maywood, Ill

SITUATION WANTED—To work in greenhouse; 5½ years' experience. Can do any kind of work. WM. HONOLD, Morton Grove, Cook Co., Ill.

SITUATION WANTED—By carnation specialist of 18 years' experience; single, age 31. References exchanged. Address D E, care American Florist.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

SITUATION WANTED—By young man as assistant in greenhouses. Experience equivalent to about four years. To begin about Jan. 1st. Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—A first-class decorator, good grower and all-around florist, desires position with some good firm or store. Good references. Address OMEGA, care American Florist.

SITUATION WANTED—By first-class grower of roses, carnations, violets and bedding plants wants position as work foreman. German, age 30; single. Address GROWER, care American Florist.

SITUATION WANTED—By reliable florist with life experience; cut flowers a specialty; American, age 26, single, sober and industrious. Good references. Address C E. BOWER, 222 S. Metcalf, Lima, Ohio.

SITUATION WANTED—By young man as grower of roses, carnations, 'mums, violets and general stock; also palms, ferns and decorative plants; eleven years' experience. Private or commercial place. FRANK CERVENKA, 856 So. Ashland Ave, Chicago.

SITUATION WANTED—By young florist on commercial place. German American, age 25, sober and steady, 8 years commercial experience in cut flowers and winter flowering plants; good reference; vicinity of Chicago prefered. Address S. M. MEYER, Gen'l delivery, Elizabeth, N. J.

SITUATION WANTED—By practical gardener with 25 years' experience in growing roses carnations, chrysanthemums, plants and flowers of every description, forcing fruits under glass, and vegetables, also landscape work Best of references from English and American employers; married, no family Address F. W. F. 208 N. Clark street, Chicago.

WANTED—Greenhouses. If you wish to sell, write to FLORIST 142 East 53rd St., Chicago, Ill.

WANTED—A1 man; good propagator; single. State wages and experience with board C HUMFELD, Clay Center, Kans.

WANTED—A copy of Issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist

WANTED—Sober, energetic man at once to grow roses and carnations; $18 per month this winter with board. Give experience S. J. LONG, Petoskey, Mich.

WANTED—All-around man with judgment and experience; industrious and reliable; capable of taking charge. CYRUS P. DOW, 521 Main St., Laconia, N. H.

WANTED—A good grafter, who can also bud well, wanted at once. State wages expected and send recommendations, which will be returned. Address REASONER, BROS., Oneco, Florida.

WANTED—To rent near Chicago an up-to-date and well stocked commercial greenhouse suitable for growing mushrooms under center benches. Address particulars P. O. Box 441 Maywood, Ill.

FOR SALE—Commercial place of R. D. BAKER, Canon City, Colo.

FOR SALE—Who wants a chance to secure a home and a business with but small investment? Dwelling and 4000 ft. of glass; no competition. Good thing. Only $400 required. Address GOOD CHANCE, care American Florist.

FOR SALE—Fifteen-horse-power steam boiler, used one year, with patent shaking grate, self feed, separate ash pit; pipe, 1¼, 1½ and 2-inch, with fittings of all kinds, and 1500 lights of glass 10x14—all in very best condition. C. STAFFLINGER, Springville, N. Y.

FOR SALE—Greenhouses about 50,000 square feet of glass well stocked and finely located for retail trade in the largest city in the west. Will sell one-half or whole interest. Doing large business. Good reasons for selling. Address C D, care American Florist.

FOR SALE CHEAP—About 2000 ft. 4-in. cast iron pipe with fittings; 6000 sq. ft. 10x14 in. glass; also one No. 12 Myers boiler. All the above are in good condition and have been used in the well-known "Trimble Graperies," and to be sold as they stand. Apply to CHAS. T. MCFARLAND, West Chester, Pa.

A RARE OPPORTUNITY. On account of inability to hire competent help to properly conduct my rapidly growing business, I offer to sell stock to one or more experienced seedsmen of unquestionable ability and integrity, who will take active parts in the business. Experience and executive ability the first consideration; money secondary. The fullest investigation invited by people who mean business.

J. A. EVERITT, Seedsman, Inc., Indianapolis, Ind.

FOR SALE First-class well established Florist Business, located in central part of city of about 20,000 population. Have 11,000 sq. ft. of glass with all modern improvements, a fine stock and everything in first-class condition. Without a doubt a bargain as to-day the glass could not be bought and put up for the price I will sell for. Any live florist with money can purchase a fine range of glass very cheap. Good reasons for selling. Don't inquire unless you mean business. Address BUSINESS, care AMERICAN FLORIST.

FORCED SALE.

OF GREENHOUSE PROPERTY.

In "Spring Valley," 30 miles from New York, five minutes from R. R. Depot. The owner is unable to work the place on account of sickness and wishes to go to Florida, is willing to sell for half value. Two and one-half acres of high land, dwelling house new; four greenhouses 12x100, one 18x200 in good condition and stocked with violets and carnations. Heated with Hitchings' boilers. Price $3,500, $1,000 can remain on mortgage at 5 per cent. Apply at once to

L. USSING, 53 W. 28th St., NEW YORK.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

Worcester Mass.

Taken as a whole, Thanksgiving trade was fairly satisfactory, under the peculiar conditions that we had to contend with. Owing to the unseasonable weather chrysanthemums were in short supply excepting white and yellow varieties.

Plenty of good Jones and Reiman were available and brought good returns.

Roses were in fair supply and cleaned up well at slightly advanced prices.

Carnations were plentiful with the exception of the dark pink shades and sold out clean at regular prices. There were no violets although we could have handled thousands of them.

Plant trade was not what it should have been with the exception of Begonia Glorie de Lorraine which went fast at fancy prices. A. H. L.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

G. L. HUSCROFT & CO.,

Wholesale Florists,

444 Sixth Ave., PITTSBURG, PA.

Long Distance Phone 2985.

CONSIGNMENTS SOLICITED.
We command a good market.

Wholesale Flower Markets

CINCINNATI, Dec. 7.

Roses, Beauty, select	30.00@40 00
" " medium	15.00@20.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 7.00
" Perle	4.00
Carnations	2.00
" fancy	3.00
Lily of the Valley	4 00
Violets	.75@ 1.00
Narcissus	3.00
Roman Hyacinths	3.00
Callas	8.00@10.00
Poinsettias	25.00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Galax Leaves	.15

ST. LOUIS, Dec. 7.

Roses, Beauty	10.00@20.00
" " fancy	25.00@50.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Perle, Wootton	5 00@ 8 00
Carnations	2.00@ 4.00
Lily of the valley	4.00@5 00
Violets	1.00@1 50
Narcissus	3.00@ 4 00
Romans	3.00@ 4.00
Stevias	.75@ 1.00
Chrysanthemums	5.00@12.50
" fancy	15.00@25.00
Smilax	12.50@15.00
Adianum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Dec. 7.

Roses, Beauty, long, per doz.	3.00@ 5.00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	6.00@ 9.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations	2.00@ 4.00
Chrysanthemums, ordinary	6.00@10.00
" fancy	15.00@25.00
Stevias	1.00@ 1.50
Adiantum	1.00
Common ferns	.25
Smilax	18.00
Asparagus	60.00

PITTSBURG, Dec. 7.

Roses, Beauty	10.00@50.00
" Bride, Bridesmaid	4.00@10.00
" Meteor	6.00@12.00
" Kaiserin	6.00@10.00
" Perle	4.00@ 8.00
" Cusin	3.00@ 6.00
Carnations	1.50@ 3.00
Lily of the valley	3.00@ 4.00
Violets, double	1.00@ 2 00
" California	.50@ .60
Chrysanthemums	8.00@25.00
Narcissus Paper Whites	3.00@ 4.00
Roman Hyacinths	3 00@ 4.00
Harrisii	20 00@25.00
Smilax	12 00@15.00
Wild Smilax, per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	35
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax Leaves	.15

ORCHIDS. VALLEY... FERNS.....

TWO TENDENCIES have recently made their appearance in modern commercial life.

Specialization.

Direct dealing.

By specializing and confinining his energies to one or two lines of products, the producer finds that he can put forth a better article than his competitor.

By direct dealing with the producer, the consumer finds he can get a better article at the price of an inferior one.

THE special products of the Rosebank Nurseries are Orchids, Valley and Ferns.

The Orchids are the best in the market, both in point of variety freshness and beauty of bloom. Cattleyas, 50c.; others, 15c. per bloom.

The Valley, of an especially high grade, is offered on yearly contract at $3 per 100; on single orders, at $3.50.

The Ferns (Adiantum), unequalled in freshness, size and strength of fronds, are sold at the regular price of $1 per 100. These special products are sold direct to the retail florist.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

HOLTON & HUNKLE CO.

Wholesale Florists,

457 Milwaukee St., - MILWAUKEE, WIS.

Leather Bound

copies of the new edition of our DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada, arranged both by states and towns and alphabetically. Price, $3.00; in board covers, $2.00.

American Florist Company,
324 Dearborn Street, Chicago.

J. B. DEAMUD,

51 WABASH AVE.. CHICAGO.

PRICE LIST:

	Per 100.
AM. BEAUTIES, Ex. long	$35.00 to $50.00
" 24-inch	25.00 to 30.00
" 20 "	18.00 to 20.00
" 15 "	12.50 to 15.00
" short	8.00 to 10.00
BRIDES, MAIDS	4.00 to 6.00
METEORS, KAISERINS	5.00 to 8.00
PERLES	3.00 to 5.00
CARNATIONS	2.00 to 2 50
" fancy	3.00 to 6.00
VALLEY	4.00 to 5.00
VIOLETS, double	1.50 to 2.00
" single	1.00 to 1.25

	Per 100.
SMILAX	$12.50 to $20.00
ADIANTUM	.75 to 1.00
ASPARAGUS	50.00
FANCY FERNS	$2.00 per M. .30
IVY LEAVES	.50
GALAX	$1.25 per M. .15
WILD SMILAX.	No. 1 contains 15 lbs. $2.50
	No. 2 " 20 lbs. 3.50
	No. 4 " 35 lbs. 4.50
	No. 5 " 40 lbs. 5.50
	No. 6 " 50 lbs. 7.00

☞ Prices subject to change without notice. P. AND D. AT COST.

CHRYSANTHEMUMS, $6.00 to $25.00 per 100.

J. B. DEAMUD, 51 Wabash Ave., CHICAGO.

Successor to Illinois Cut Flower Co.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS. FULL LINE OF ALL Florists' Supplies

HOLLY and GREEN.

We can meet the quotations of any reputable Western House.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

Write

Geo. A. Kuhl, Pekin, Ill.

for prices of

Roses, Carnations, Paper Whites, Romans and Smilax.

First Rooted Cuttings of Roses ready for immediate shipment.

GALAX LEAVES.

Beautiful Green and Bronze, 50 cts. per 1000.

Address W. H. WILLIAMS & BRO., Victoria, Macon Co., North Carolina.

Please mention the American Florist when writing.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Wholesale Flower Markets

CHICAGO, Dec. 8.

Roses, Beauty, extra long stems	5.00@6.00
" " 30 inch "	4.00
" " 24 " "	3.50
" " 20 " "	3.00
" " 15 " "	2.00@2.50
" " 12 " "	1.50
" " 8 " "	1.00
" Bride, Bridesmaid	7.00@10 00
" Perle	5.00@ 7.00
" Meteor	7.00@10.00
" Kaiserin	5.00@ 8.00
" La France	7.00@10.00
" Golden Gate	10.00@12.00
Carnations	3.00
" fancy	4.00@ 5.00
Violets, double	1.00@ 2.00
" single	.50@ 1.00
Lily of the Valley	4.00@ 5 00
Cattleya	per doz. 6 00
Dendrobiums	" " 3.00
Chrysanthemums, medium	2.00@ 6.00
" long	10.00@25 00
Mignonette	1.00@ 2.00
Roman Hyacinths	3 00
Narcissus	3 00@ 4 00
Adiantum	.50@ 1.00
Common ferns	.15
Fancy Ferns	.20
Smilax	10 00@20.00
Asparagus	50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

Please mention the American Florist when writing.

E. H. Hunt

THE "OLD RELIABLE" FOR WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street. CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Webash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT — Roses Violets

PITTSBURGH, PA.

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per 100. Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

HARDY CUT FERNS



FANCY DAGGER

In 1000 lots, $1 per M. Discount on larger orders. Also dealer in Sphagnum Moss, Bouquet Green. Also wholesale dealer in Christmas Trees and Baled Spruce for cemetery use. Special attention paid to supplying in carload lots.

L. B. BRAGUE, Hinsdale, Mass.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, Dec. 6.

Roses, Tea	3.00@ 4.00
" extra	6.00@10.00
" Beauty, extra	40.00@50.00
" " firsts	20.00@25.00
" " seconds	8.00@15.00
Carnations	1.50@ 2.00
" fancy	2.50@ 5.00
Lily of the valley, Romans	3.00@ 5.00
Violets	.75@ 1.50
Mignonette	3.00@ 4.00
Asparagus	35.00@50.00
Smilax	25.00
Adiantum	1.00

BOSTON, Dec. 6.

Roses, Beauty, extra	30.00@50.00
" " medium	12.50@25.00
" " culls	3.75@ 6.25
" Bride, Bridesmaid, Meteor	8.00@12.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.00@ 4.00
Lily of the valley	2.00@ 4.00
Violets, single and double	1.00@ 1.50
Romans, Paper White Narcissus	2.00
Chrysanthemums	2.00@ 6.00
" special	8.00@12.00
Mignonette	4.00@ 6.00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

: Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME CROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. rice list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower, Ashtabula, Ohio.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Dec. 6.

Roses, Beauty select	30.00@50.00
" " medium	20.00@25.00
" " culls	2.50@ 6.25
" Bridesmaid, Bride, Morgan	6.00@10.00
" Kaiserin, Meteor	8.00@12.00
Carnations	1.00@ 2.00
" fancy	2.25@ 3.75
Lily of the valley	2.00@ 3.00
Violets	1.00@ 1.50
Romans, Paper White Narcissus	1.00@ 2.00
Chrysanthemums	.50@ 6.00
" fancy	12.00@15.00
Mignonette	6.00@ 8.00
Calla	8.00@10.00
Cattleyas	50.00@60.00
Smilax	8.00@12.00
Asparagus	35.00@50.00
" Sprengeri, per doz. bunches	1@1.50
Adiantum	.50@ .75

BUFFALO, Dec. 7.

Roses, Beauty	10.00@60.00
" Bride, Bridesmaid, Meteor	3.00@10.00
" Perle, Niphetos	3.00@ 5.00
" Kaiserin	3.00@10.00
Carnations, ordinary	1.50@ 2.50
" fancies	2.50@ 3.50
Lily of the valley	3.00@ 4.00
Violets	1.50@ 2.50
Narcissus Paper white	2.50@ 3.00
Roman Hyacinths	2.00@ 4.00
Harrisii	20.00@25.00
Stevias	1.00@ 1.25
Smilax	15.00
Adiantum	.75@ 1.25
Hardy Ferns	.15
Galax leaves	.15
Asparagus	40.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Galax Leaves.
GREEN and BRONZE.
New crop. Finest stock only, for the HOLIDAY SEASON.
THE INTRODUCER
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply CHRYSANTHEMUMS in best quality and any quantity. VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's ..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

NOW
'MUM'S
THE WORD.
ALL SIZES, COLORS, PRICES.
PACKED CAREFULLY.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

D. M. FERRY has signified his willingness to accept the Republican nomination for governor of Michigan.

DUNKIRK, N. Y.—Wm. J. Leigh has severed his connection with the Lake Shore Seed Co. and, with his wife, sails to-day for a three months' visit in England.

VISITING NEW YORK: T. W Wood, Richmond, Va.; W. Atlee Burpee and H. W. Johnson, Philadelphia; and Messrs. Griffith, of Baltimore and Hunt, of Cambridge.

VISITED CHICAGO: Wm. F. A. Kendel, of A. C. Kendel & Co., Cleveland; Thos. H. Hill, representing D. Landreth & Sons, Philadelphia; W. J. Langbridge, with Jerome B. Rice & Co., Cambridge, N. Y.; C. H. Walker, of the Springfield Seed Co., Springfield, Mo.; and J. McHutchison, representing Aug. Rhotert, New York.

Seedsmen Meet.

A meeting of the seedsmen representing Jefferson county seed plants was held at the Otis house Tuesday afternoon. The result was satisfactory to all concerned, but has not been made public. Some of those in attendance were: M. D. Swan, of Belleville; Mr. Pease, superintendent of the Cleveland Seed Co.; A. H. Rogers, owner of a seed building in Chaumont; F. Williams, of Belleville; William Mather and W. A. Denison, of Ellisvillage; S. A. Devendorf, of Lafargeville, and a representative of the Cape Vincent plant.—*Watertown, N. Y., Union, December 2, 1899.*

Bermuda Bulbs.

There is a rumor abroad to the effect that seven hundred thousand (700,000) lily bulbs have been recently sent to Bermuda from abroad to be planted for the next season's market. This rumor, if it continues to be circulated, will create a wrong impression which will affect the value of next year's crop. Therefore the following information relating to the bulbs that have actually been imported here, will make things clear and remove, I hope, the wrong impression that has already been made. The table shows the quantity of bulbs imported, when and by whom they were imported, and whether they were Japanese bulbs or bulbs originally exported from Bermuda and returned to be replanted:

Lily bulbs Imported from Japan.		By Whom Imported.	Bermuda grw'n bulbs returned.
5 to 7			5 to 7
Sept. 25	10 cases	T. Outerbridge	15 cases
Oct. 16		S. D. Walker	2 "
" "	266 "	T. Outerbridge	23 "
Oct. 27	53 "	" "	10 "
" "		F. W. Stephens	15 "
Nov. 6		" "	15 "
" "		W. T. James	54 "
" "	57 "	T. Outerbridge	28 "
	386 cases		193 cases

Now each one of the Japanese cases holds 500 bulbs, and each one of the cases of Bermuda bulbs holds 400 bulbs. So the 386 cases of the former represent 193,000 bulbs, and the 193 of the latter represent 77,200 or about 270,000 in all—a long way from 700,000.—*G. A. Bishop in the Bermuda Colonist.*

SALVIA SPLENDENS. New crop now ready and grown with extreme care at our **Floracroft Grounds.** Per oz. $1.00, per pound, $12 00.

SEMPLE'S BRANCHING ASTER. Our strain of this popular **Aster** cannot be excelled, seperate colors, **Shell Pink, Red** and **White,** @ 75c. per ounce, mixed colors, 50c. per oz. $6 00 per pound.

LILY OF THE VALLEY PIPS. Berlin Sand Grown, 3 year old, $10.00 per 1000: per case (2500) $23.00.

ENGLISH MUSHROOM SPAWN. **New Shipment,** $6.50 per 100 pounds, $60.00 per 1000 pounds.

TOBACCO STEMS. By the bale or ton. Don't buy elsewhere till you get our prices.

FLOWER SEEDS FOR FLORISTS.

SEND FOR WHOLESALE LIST....

JOHNSON & STOKES,

217 & 219 MARKET STREET, PHILADELPHIA, PA.

Ready

Lily of the Valley PIPS.

Vaughan's London Market.

Spiraea.
Forcing Gladiolus.

PRICE LIST ON APPLICATION.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

BULBS. LOW SPECIAL OFFER.

	Per 100
SINGLE HYACINTHS, named varieties	$4 80
" " " " colors	3.75
TULIPS, SINGLE EARLY, mixed	.60
" " LATE, "	.70
" DOUBLE EARLY, "	.70
" " LATE, "	.65
" PARROT, mixed	.75
CROCUS, mixed	2.35
NARCISSUS POLYANTHUS, yellow, mixed	1.00
" VON SION	1.30
ANEMONES, single, mixed	.75
" double, "	1.10
OXALIS BOWEII	1.00
" VERSICOLOR	.75
SCILLA SIBERICA	.75
CHINESE LILIES	4 00
FREESIA REFRACTA ALBA, large	.75
LILIUM HARRISII, 5 to 7	3.25
" " 7 to 9	8.00

Order at once. Terms cash. **H. L. HOLMES, Harrisburg, Pa.**

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	
etc.	etc.	etc.

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

Please mention the American Florist when writing.

Begonias, fine bulbs, separate colors, sgl. and dble., $5.00 per 100

LILIUM LONGIFLORUM, Japan, 6-8, $3.50 per 100.

WINDSOR FLOWER SEED CO., No. 2 Milwaukee Ave. DETROIT, MICH.

SEEDSMEN if you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in the next year's edition of our directory. AMERICAN FLORIST CO., 324 Dearborn street, Chicago

ESTABLISHED 1802

THORBURN'S SEEDS

Japan Lilium Longiflorum.

	Per 100	Per 1000
5 to 7 in. circumference	$2.50	$20.00
6 to 7 in. "	2.75	25 00
7 to 9 in. "	4.50	40.00

Lily of the Valley and Lilium Auratum.

Prices on application.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Ball Head and Cauliflower Wibolt's Snowball. Awarded highest prize St. Petersburg, May, '99. LILY OF THE VALLEY PIPS.

Please mention the American Florist when writing.

THE EARLIEST

CARQUEIRANNE BULBS!

in ripe perfection and of the highest quality.

Roman Hyacinths, Narcissi, Freesias, Etc.

Write for lowest quotations direct from the grower.

A. BERNARD, Carqueiranne (Var) France.

Please mention the American Florist when writing.

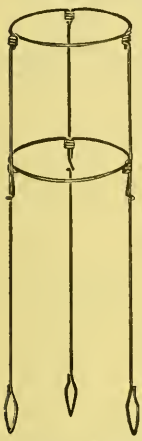
LAKEVIEW ROSE GARDENS

.....JAMESTOWN, N. Y.....

WHOLESALE GROWERS OF CUT FLOWERS.

WE CAN FILL ALL ORDERS AT SHORT NOTICE.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99

MR. THERON PARKER,
Brooklyn, N. Y.

Dear Sir:—Your Model Carnation Support is all right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y.
Feb. 18, '97.

MR. THERON PARKER.
Dear Sir.—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J.,
Feb 18, '97.

MR. THERON PARKER.
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing you every success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes

AT LOWEST PRICES.

Write for Prices, Circular and Special Discounts for Early Orders.

The Model Plant Stake Co.,

THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

TO CLOSE OUT

for want of room, the following plants, ready for a shift.

			Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.		$8.00	
1000	"	5-in.		5.00	45.00
5000	Pteris Tremula		"	2.50	20.00
2000	" Ensifolia		"	2 50	20.00
2000	" Serrulata Max		"	"	"
3000	" Longifolia		"	"	"
2000	" Serrulata		"	"	"
2000	" " Compacta Nana		"	3.00	25.00
1000	" Cnandia		"	2.50	20.00
1500	Nephrolepis Bostoniensis	2½-in.		5.00	40.00
2000	" Cordata Compacta		"	4.00	35.00
2000	" Exaltata		"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

PLANTS. ..PANSIES.. SEEDS.

....THE JENNINCS STRAIN....

Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100; by express, $4.00 per 1000; 5000, $17.00. White, same price. Seed of above, $1.00 per pkt.; $5.00 per oz.

CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

McFADDEN OFFERS

ADIANTUM FARLEYENSE We are headquarters for this most beautiful of all Adiantums.

2-inch pots.....$10 00 per 100
3-inch pots.....$3.00 per dozen, 20.00 per 100
4-inch pots.....6.00 per dozen, 40.00 per 100
5-inch pots.....9.00 per dozen.
6-inch pots.....15.00 per dozen.

EMERSON C. McFADDEN,
Wholesale Florist & Seedsman, SHORT HILLS, N. J.

Please mention the American Florist when writing

800,000 FEET OF GLASS.

REINBERG BROS.

Wholesale Growers of

CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

Wholesale Price List.

AMERICAN BEAUTY			
30-36-in. stem	per doz.,	$5.00 to $6.00	
24 "	"	3.00 to 4.00	
20 "	"	2.50 to 3.00	
15 "	"	2.00	
12 "	"	1.50	
Short	"	1.00	
METEOR	per 100,	6.00 to 8.00	
BRIDESMAID	"	6.00 to 8.00	
BRIDE	"	6.00 to 8.00	
GOLDEN GATE	"	10.00 to 12.00	
LA FRANCE	"	6.00 to 8.00	
PERLE	"	4.00 to 6.00	
CARNATIONS	"	3.00 to 4.00	

Quotations subject to change without notice.
All other stock at lowest market prices.
We now close at 6:30 p m. Sundays and Holidays at noon.

FOR Christmas



We propose to take all the orders we can get. We have no hesitancy about this for we did pretty well for Thanksgiving and we have arrangements which warrant us in guaranteeing that for Christmas

ALL ORDERS WILL BE FILLED.....!

WHOLESALE CUT FLOWERS,

E. C. AMLING,

W. S. HEFFRON, MGR.

51 Wabash Ave., CHICAGO.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY			
30-36 in. stem	per doz.	$5.00 to $6.00	
24 "	"	3.00 to 4.00	
20 "	"	2.50 to 3.00	
15 "	"	2.00	
12 "	"	1 50	
8 "	"	1.00	
METEOR	per 100	$6.00 to $8.00	
BRIDESMAID	"	6.00 to 8.00	
BRIDE	"	6.00 to 8.00	
PERLE	"	4.00 to 6.00	
CARNATIONS	"	3.00 to 4.00	

Quotations subject to change without notice. All other stock at lowest market prices.

TELL THEM WHERE YOU SAW THE AD.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE outlook for the apple seedling business is remarkably bright.

THE importation of dutiable plants bulbs and seeds is steadily increasing.

A RETROSPECTIVE view of the fall season shows the nursery situation to be in the most promising condition known in years.

THE season of fall planting has been prolonged to a hitherto unknown degree this fall and nurserymen have been greatly aided in shipments thereby.

ACCORDING to Prof. H. T. Van Deman the apple variously called Gosh, Western Beauty, English Rambo, Big Rambo, Ohio Beauty or Musgrove, is properly known by the first name.

THE twenty-fourth annual session of the Iowa State Horticultural Society will be held at Des Moines, December 12 to 15, and, as usual, nurserymen will figure prominently in the proceedings.

Los Angeles.

EASY READING FROM THE PACIFIC.—BATCH OF BREEZY JOTTINGS.—THE DAWN OF PROSPERITY.— RAIN IN ABUNDANCE.—STATE OF THE MARKET.—PLANS FOR NATIONAL ARBORETUM.—THE MORALES WORM.—THE OLIVE.— PERSONAL MENTION HERE AND THERE.

Everything indicates that the wave of prosperity the east has been enjoying for some months has at last reached the Golden Gate. The rains so far this season have been all that could be desired. Stock outside has been greatly benefited and, as the weather continues quite warm, there is an abundance of all seasonable flowers. There is a surplus of violets, carnations and chrysanthemums. For the latter the demand has been disappointing and no grower has found chrysanthemums profitable this season. Violets are being retailed at 15 cents per bunch of fifty blooms. Princess of Wales is by all odds the best single for this section and Farquhar the best double. The rains and cooler nights have caused a wonderful improvement in carnations. They are now being cut in fine shape, large blooms on long, stiff stems, and sell at 25 cents per dozen, $1.50 per hundred, retail. The best chrysanthemums would only bring $1.50 per dozen. In roses Capt. F. Edward Gray is showing some good house-grown Beauties and Brunners, grown at his Ingleside Nurseries, and Alfred Roedder is proud of his field-grown Marechal Niels, Mme. Cochets and Kaiserins.

Los Angeles, being the owner of the largest park in the United States, is making a great effort to have the Department of Agriculture establish a national arboretum therein. Prof. Swingle, of the Department, has been appointed a special agent to examine and report on all sites proposed. We are informed that after a thorough investigation he said a portion of Griffith Park was the finest location he had ever seen for the purpose intended. Some $20,000 will be needed to prepare the grounds and furnish a water supply. The chamber of commerce has undertaken to raise this amount by subscription.

Ever since the appearance of the so-called morales orange worm in Mexico, California growers have feared it might be accidentally introduced into this state, where its ravages would eventuallly destroy the orange industry, as it virtually has in Mexico. Recently Mexican oranges have been shipped by ocean steamer to the northern part of the state. Upon inspection by the state quarantine officer they were found to be badly infected and were condemned and destroyed by that officer, whereupon the State Horticultural Commission has prohibited future importations.

A very interesting discussion which our nurserymen are watching closely has been occupying horticultural columns in the local papers. It is in regard to the olive as a profitable crop for southern California. To help settle the question Prof. A. P. Hayne has been sent by the State University to make a thorough investigation, the result of which will be published in a special bulletin.

The nursery business, which, owing to the dry seasons has been almost at a standstill for three years, is now experiencing quite a boom. Judging from orders and inquiries so early in the season there will be a heavy shortage in many lines. High prices this year for fruit will induce the planting of thousands of acres to deciduous fruits.

Max Keppel, of the Diamond Hill Nurseries, has opened a store on Commercial street, near Los Angeles street.

The Meserve Floral Company's store has been removed from West Second street to 244 South Broadway.

J. G. Morley, who with Mr. Acklin, is the pioneer florist and vegetable grower of the Klondyke, has returned to Los Angeles to spend the winter. Owing to dry weather during the growing season the crop of vegetables was not so large as expected but Mr. Morley is satisfied and will go back in the spring. He also has valuable mineral claims.

Miss Harriet Goodin, who has been in enforced idleness on account of severe illness since early last summer, is again in charge of F. Edward Gray's store at 140 South Spring street. Miss Allen, the bookkeeper in the same store, has resigned and gone to Seattle, Wash.

Miss Charlotte Sexton, of Santa Barbara, who was formerly in charge of the Redondo Floral Company's store, is visiting friends in this city.

Edmund D. Sturtevant, who, twenty years ago, was famous all over the east as a specialist in water lilies, is still giving that class of plants close attention. He has several large ponds on his ranch near this city and is quite successful in hybridizing. He has several new nymphæas that will pass inspection.

Howard & Smith find their trade increasing so rapidly that, notwithstanding the very high prices of all building material, they are compelled to build another large greenhouse. D. R. W.

HOWELL, MICH.—On the night of December 5 fire did $500 damage in the greenhouses of J. A. Brown.

PANDANUS VEITCHII.

Extra fine stock in 6-inch pots, $1.00 each.

Cannas in all the leading varieties at lowest rates if ordered now.

Carnation Cuttings ready soon.

W. W. COLES, - Kokomo, Ind.

HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**

The Exotic Nurseries, DAYTON, OHIO.

BOSTON FERN...

2½-in., $5.00 per 100; 3 -in., 50.00 per 100. | 8 and 10-in. pans, from 75c. to $1.50 each.

Nephrolepis Cordata Compacta. 2½-in., $5.00 per 100. 8 and 10-in. pans, fine, $1.00 to $1.50 each.

Geraniums. S. A. Nutt, etc., rooted cuttings from soil, $1.50 per 100, $15.00 per 1000.

Asparagus Sprengerii, 2½-in., $5.00 per 100.

CASH PLEASE. **CARL HAGENBERGER, W. Mentor, O.**

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

DEUTZIA GRACILIS.

Strong, bushy plants for forcing, $6.00 per 100.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Send for price list of Hardy Shrubs and Trees.

HOME OF CHOICE TREES and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.

Frank Brunton, Mgr. ☞ Catalogue free.

HARDY

Herbaceous Perennials

THE MOST COMPLETE STOCK IN AMERICA.

PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.

JACOB W. MANNING,

The Reading Nursery, READING, MASS.

ESTABLISHED 1854.

Please mention the American Florist when writing.

NURSERYMEN....

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

THE STORRS & HARRISON CO., Box 935 PAINESVILLE, OHIO.

Leading American Nurserymen, offer one of the Most Complete Assortments of

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

PLEASE DON'T FORGET WE HANDLE XMAS SUPPLIES

K. Bros. Co.

42 and 44
East
Randolph Street,
Chicago,
Ill.

We Make
Lowest
Chicago Price
To All.

Best Holly
Best Green
Best Galax
Best Smilax
Best Ferns
Best Holly Wreaths
Best Green Wreathing
Best Leucothoe Sprays
Best Asparagus
Best Wild Smilax
Best Adiantum
Best Mistletoe

TO THE TRADE.....

Stock has never been known to be so scarce in this city, still K. BROS. CO. takes care of all their orders, and if nothing happens will continue to do so, XMAS INCLUDED. Order early. Price will be Chicago market rate, day of shipment.

ORDER ANYTHING IN SUPPLIES FROM US AND YOU WILL GET IT RIGHT

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept. 15th.

Anton Schultheis, P. O. Box 78, College Point, New York City

CINERARIAS, Dreer's Strain, budding, extra large and heavy plants, out of 5-in. pots.....$2.00 per dozen
" " 3½ " 1.00 "

Geranium Mars, 2¼-in., $5.00 per 100. CASH PLEASE.

HENRY EICHHOLZ,
Waynesboro, Pa.

...PALM PLANTS...

LATANIAS, 4-in. pots, 18 to 22 in. high, 4 and 5 leaves, $2 per doz., $15 per 100; 6-in. pots, 20 to to 24 in. high, 6 and 7 leaves, $6 per doz., $45 per 100; large, 4 to 4½ ft. in height and diameter, $5 per plant.

ARECA LUTESCENS, 6-in. pots, 2½ ft. high, 2 and 3 plants to pot, $12 per doz.; 10, 11 and 12 in. pots, several plants to pot, 6 and 7 ft. high, $7.50, $10 and $12.50 per plant.

KENTIAS, several sizes; prices on application.

PANDANUS VEITCHII, 6-in. pots, nicely variegated, $1 per plant.

J. W. COLFLESH,
53d St. and Woodland Ave., Phila.

THE BOSTON FERN A Specialty.

Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN,

in all sizes from

$5.00 per 100, $40.00 per 1000 to

SPECIMEN PLANTS at

75c., $1.00, $2.50, $5.00 and $10.00 each.

Further information cheerfully given.

SATISFACTION GUARANTEED.

EDWIN LONSDALE, Chestnut Hill, ...PHILA, PA.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Chicago.

The Chicago Florists' Bowling Club has entered the America League and will hereafter figure in the contests on the America alleys on Thirty-first street. After the club meeting last week a trio of members rolled one game, Chas. Sweigert 114, J. S. Wilson 118 and John Degnan 167. Coulson is the champion of the Central Park team of the West Side League, having made an average of 180 in the last six games.

At Philadelphia.

The handicap bowling contest brought the boys out in great style, although many dropped out when they saw they were not likely to finish one-two-three and did not care to be classed among the "also rans." George Moss rolled three fine games one day last week, making an average of 200, with one pin to spare. This is top notch bowling. There is now to be a high game handicap, the ten highest games for the month to count. No limit will be placed on the number of games; one may roll all one can in the month, handicapped the same as before, averages to make the handicap taken from the single highest game of each member to date. This should prove an exciting contest. The following is a record of all the games rolled last month and the averages:

Player	Games	Pins	av	Player	Games	pins	av
Hamilton..	39	6479	166	G. Craig...	16	2066	129
Moss	30	4173	160	Burton	15	1915	127
Westcott ..	62	9448	152	Watson....	67	8503	126
Joonson...	37	5600	151	Hallowell..	9	1108	123
Brown.....	16	2409	150	Peterson ..	3	368	123
Conner	40	6021	150	Gibson	10	1231	123
Walker....	41	6003	146	McLean...	4	842	120
Hickey	34	4771	140	R. Craig...	7	835	119
Boss	30	4173	140	Donsdale..	27	3225	119
Smith	14	1959	139	Rust.....	6	694	115
Graham ...	6	826	137	Fallon.....	20	2396	114
Archer	33	4545	137	Cox.....	7	797	114
Campbell..	3	408	136	Ehret.....	8	911	114
Bell	27	3658	135	Renear	4	454	113
Stoneham .	55	7235	135	Dungen ...	8	880	110
Anderson..	14	1880	134	Reber	10	1095	110
Moore	14	1871	133	Lamb.....	14	1539	109
Harris.....	52	6851	131	Monroe....	2	197	98
Kift	7	911	130	W. Craig ..	2	177	89
Lutz.....	10	1301	130	Whillden..	2	178	88
Kienle.....	5	651	130				

K.

At Flatbush.

Thanksgiving evening at the bowling alleys was as chock full of fun as the bowlers were of turkey meat. A man cannot be expected to be in first class bowling condition after a hearty Thanksgiving dinner, with its accessories, and it is not surprising that three members, Raynor, Prosser and Woerner, were physically incapacitated to participate in the fun and that Schmutz had so much trouble with his ball that he couldn't sleep after he got home, but those who did take hold deserve credit for their performance, as the score appended will show. The first pot was won by Eugene Dailledouze, whereupon Riley, the Pride of Flatbush, smiled and thereafter nobody got his fingers on a pot except Riley. This same gentleman also won a box of cigars put up by D. Mellis, who in turn won a turkey given by H. Dailledouze, and C. Wocker got the consolation prize in the last game, a turkey offered by Paul Dailledouze. A. Zeller was badly rattled all the evening not so much by Thanksgiving festivities as by Riley's aggressiveness. H. Dailledouze had hard luck and Papa Zeller missed several easy things, yet never grumbled. Scores as follows:

Player	1st	2d	3d	4th
Schmutz	97	148	141	137
Riley	151	177	172	177
P. Dailledouze	131	123	114	142
Wocker	104	110	108	129
A. Zeller		125	124	151
E. Dailledouze	178	159	132	148
Mellis	149	147	160	171
H. Dailledouze	100	127	132	130
Papa Zeller	102	82	147	134

At St. Louis.

The Juniors were snowed under on Monday night in their match games with the St. Louis Florists' Bowling Club, the older club using three of its best men and three of lesser fame, winning by 419 pins in three games. The match was for the best three games out of five, the losing side to bear all expenses and the Juniors paid the bill. They are talking of another match in February. Here are the scores:

FLORISTS.

Player	1st	2d	3d	Av
J. J. Beneke	163	134	171	156
C. Kuehn	153	152	140	148
F. C. Weber	128	165	138	144
J. W. Kunz	148	110	146	135
John Young	107	128	127	121
F. J. Fillmore	112	111	92	105
Total	811	800	814	

JUNIORS.

Player	1st	2d	3d	Av
W. Adels	153	132	133	126
A. Augermuller	133	113	114	120
A. Y. Ellison	100	132	120	117
J. Lupe	70	116	116	101
W. Holz	107	94	97	99
F. H. Weber	88	91	97	92
Total	651	678	677	

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (See large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00
Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

SEND for our NEW list of stock of plants for **EASTER Forcing.** (California grown flower seeds). Ready January: Asparagus Sprengeri seed, 100, 75c; 1000, $6.00. Asparagus plumosus nanus seed, 100, $1.25; 1000, $10. Latania borbonica seed, 100, 40c; 1000, $2.50. Pandanus utilis, 100, $1.25; 1000, $10. Cocos Weddeliana, 100, $1; 1000, $7.50. **NOW Ready:** Tuberous Begonias, **finest** strain, single, in five separate colors, doz., 50c; 100, $3; double, doz., 75c; 100, $5. **Extra large bulbs.** Smaller bulbs 10 per cent less. Gloxinias, doz. **finest** bulbs, 50c; 100, $3. Address
H. H BERGER & CO., 47 Barclay St., NEW YORK.

Fern Balls.
For spring delivery must be ordered now.
VREDENBURG & CO., Rochester, N. Y.

We Have a Surplus of some varieties of Carrots, Celery, Cucumbers, Sweet Corn, Lettuce, Musk-melon, Water-melon, Onions, Radishes, Pumpkin, Squash and Tomato Seeds.
We have large stocks of Red and Alfalfa Clover, Meadow Fescue, Millet and other Grass Seeds. Sorghum, Kaffir, Broom and Field Corn, Sunflower and Tree Seeds. If interested, please correspond with us. **KANSAS SEED HOUSE.**
F. Barteldes & Co. Lawrence, Kans.

GOLD FISH and AQUARIA SUPPLIES

SEND FOR PRICE LIST	Per 100
Select Gold Fish, medium to large	$10 00
Good Gold Fish, medium to large	7.50
Good Gold Fish, small to medium	5.00
Select Silver Fish, medium to large	5.00

Large variety of Fancy Fish.
CHRISTMAS WREATHING, wound on card, heavy quality, $3.00 per 100 yards. Cash with orders.
Keenan's Seed Store, 6112-6114 Wentworth Ave., CHICAGO.

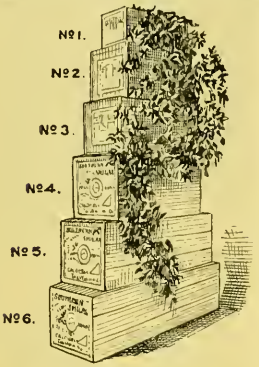
SPECIAL SALE.
Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, in bud and bloom, from 4-inch pots, $1.50 per dozen; $12.00 per 100.
Chinese Primroses, fringed foliage, finest market vars. from 2 in. pots, $2 per 100; from 2½-in. pots $2 50 per 100; from 3-in. pots, fine plants in bud $4 per 100. From 4-in. pots, extra strong, in seven colors, including double white, red and single blue, all well set with buds, $1 doz.; $8 per 100.
All the above warranted A No. 1 stock.
PAUL MADER, East Stroudsburg, Pa.

PANSIES
Roemer's Superb Prize Pansies.
This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.
Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.
PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.

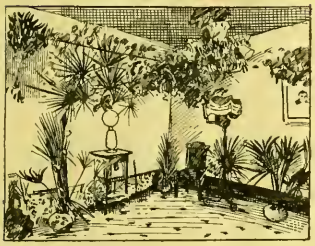
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Every case inspected. Every yard guaranteed.
No number 2s in our lot.

GREEN AND HOLLY,
Evergreen Wreathing
Gathered under the supervision of our own men, experienced hands, that for the past ten years have done their share to make us absolutely headquarters for Xmas decorations.
Holly Wreaths, Mistletoe, Christmas Trees, Etc.
The right kind at the right price, and last, but not least,
The mark, W. W. B. & Co., on case is an absolute guarantee for select quality. **at the right time.** Send us your list of wants for BOTTOM FIGURES.
W. W. BARNARD & CO.,
161 and 163 East Kinzie Street, CHICAGO.

CHRISTMAS DECORATIVE EVERGREENS!!



SOUTHERN SMILAX.



PARLOR DECORATION.



CHURCH DECORATION.



SABAL PALM LEAVES.

HELLO! Evergreen, Ala., is connected by Long Distance Telephone with New York, Chicago, Baltimore and Washington. How's that for the Woods! Ring us up or wire your wants.

Express rate, 25 per cent less than merchandise rate. We will see that you get it

TERMS, CASH OR SATISFACTORY REFERENCE.

"Evergreens of the Southland," handsomest Catalogue ever published in this trade, ready. Write for it.

SOUTHERN WILD SMILAX.

CASE No. 1.....$1.00 CASE No. 4.....$3.50
CASE No. 2..... 2.00 CASE No. 5..... 4.00
CASE No. 3..... 3.00 CASE No. 6..... 4.50

Carefully selected stock. *Full cases.*

We call the attention of the trade to a specially packed box for filling out-of-town orders—contains 75 square feet, handsomely labeled, extra clean and nice—$9.00 dozen Boxes keep you supplied with fresh stock every day. Send for a sample quick. Prompt delivery.

LONG NEEDLE PINES.

Please do not compare or confound **our stock,** even if it is cheap, with the wretchedly packed, miserably selected stuff that flows into the cities during the holiday season. Every one of our Pines are selected with an eye to beauty, carefully trimmed and the end of the stem of each covered with tin foil. Packed in clean, paper lined burlaps by express. Weight of one dozen assorted sizes, 30 pounds.

PRICES—	Each.	Per Doz.	Per 100.
2 feet high	10c.	$1.00	$6.00
3 "	12½c.	1.25	9.00
4 "	15c.	1.50	11.00
Assorted sizes	2 to 4 feet.	1.25	8.00

Extra large sizes, strictly 5 to 6 feet, 25c. each; $3.00 per doz; $20.00 per 100.

CHAMÆROPS PALM CROWNS.

Weight of a dozen assorted Crowns, packed in very light wooden boxes, ranging from 3 to 6 feet high, 40 pounds.

PRICES— Size.	Each.	Per Doz.	Per 100.
3 feet	15c.	$1.50	$11.00
4 "	20c.	2.25	15.00
5 "	25c.	3.00	20.00
6 "	30c.	3.50	25.00
Assorted sizes		3.00	20.00

Extra large specimens, 50c. to $1.00 each.
Fine stock on hand.

MAGNOLIA FOLIAGE.

Very pretty in decorations. Can be made into beautiful wreaths that sell well at Christmas season. Our Catalogue shows its use in many illustrations. Packed in same size cases as Southern Wild Smilax.

PRICES.			
Case No. 1	$1.00	Weight,	15 pounds
" 2	2.00	"	25 "
" 3	3.00	"	30 "
" 4	3.50	"	40 "
" 5	4.00	"	50 "
" 6	4.50	"	60 "

MANTEL DECORATION.

We offer this pretty decoration, consisting of—
10 yards Southern Smilax.
1 Palm Crown.
1 large bunch of nice Holly.

Packed in nice box, lined with white news and waxed tissue paper; box labeled on each end with picture of the decoration and a list of contents shown. Altogether a very attractive seller and sure to be in demand. Order a box and judge for yourself. PRICE—each, $1.00; per dozen, $9.00.
Weight, 100 pounds to the dozen boxes.

PARLOR DECORATION.

We also offer a very beautiful parlor decoration, put up with the same care as above mantel decoration. This box contains sufficient to decorate a large room handsomely and consists of—

12 Sprays Holly.
12 Sprays Southern Smilax.
12 Sprays Magnolia.
1 Long Needle Pine.
1 Chamærops Palm Crown.
6 Chamærops Palm Leaves.
6 Sabal Palm Leaves.
1 Pound of Gray Moss.

Weight, 15 pounds each.
PRICE—each, $2.00; per dozen, $18.00.

CHURCH DECORATION.

We also offer a very pretty decoration for a small church. It consists of—

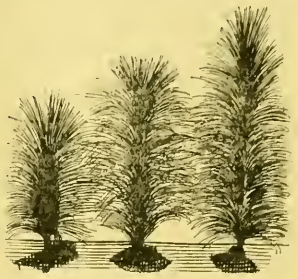
1 Palm Crown 5 to 6 feet high.
2 Long Needle Pines.
25 Sabal Palm Leaves.
50 Sprays Magnolia.
12 nice bunches Holly.
40 Yards Southern Smilax.
2 Pounds Gray Moss.

Packed in light, large box weighing 50 pounds.
PRICE—$5.00 each, six boxes for $25.00.

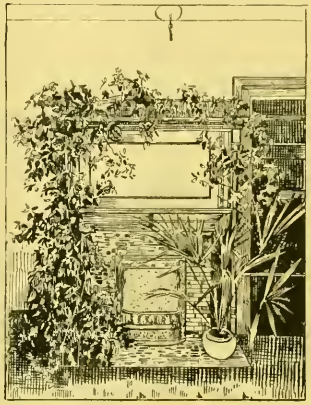
Sabal Palm Leaves...per doz..	25c.;	per 100, $2.00
Chamærops Palm Leaves "	25c.;	" 2.00
Fern Leaves, dagger and fancy.....per 1000,		1.00
Galax Leaves.....		" 1.25

Sheet Moss, $1.00 100 square feet, extra nice.
Our goods are for sale by

J. B. Deamud, Chicago; M. Rice & Co., Philadelphia; L. J. Kreshover, New York; Vail Seed Co., Indianapolis.



LONG NEEDLE PINES.



MANTEL DECORATION.



CHAMÆROPS CROWNS.



MAGNOLIA FOLIAGE.

Louisville.

The demand for flowers has been ahead of the supply the past week. Chrysanthemums are now about out of the market. The florists all did a good business Thanksgiving week, but flowers are not in such demand here as in northern cities for Thanksgiving day. Another great day for flowers in the north that is practically nothing here is Decoration day.

F. C. Haupt and Mrs. C. W. Reimers have each decorated the Galt House for society events here. The laurel garland has been used in these decorations very extensively, also southern smilax.

Messrs. Coenen & Bohnnan have added two houses to their establishment this season, each 20x80 feet. They built the greenhouses themselves, putting in heating and all, and the houses are constructed in first-class style. This firm grows bedding plants as well as cut flowers, and devotes one of their fourteen houses to palms. Mr. E. Morat was defeated in the race for park commissioner. This was a pity as he would have been a practical man. Mr. Claude Shanks, formerly a florist of Elkhart, Ind., is now in the employ of F. Walker & Co.

December 4th was the first snow of the season in Louisville. H. G. W.



L. B. BRAGUE,

Hinsdale, Mass.

WHOLESALE DEALER IN

ChristmasTrees

AND BAILED SPRUCE FOR CEMETERY USE.

Special attention paid to supplying in Car Load lots.

WRITE FOR PRICES.

XMAS GREENS

Laurel Roping, Bouquet Green, Holly, Wreaths of all kinds. Xmas Trees, Hardy Ferns, Galax Leaves, Etc.

H. E. Hartford,

17 CHAPMAN PLACE.

BOSTON, MASS.

Please mention the American Florist when writing.

Sutherland's Special HOLLY

for the New England trade has given full satisfaction each year. There is more of the same kind where it came from, and IF YOU ORDER EARLY YOU WILL GET IT. Bright green, well-berried and cases chock full. One Case, $5.00. Two Cases, $9.00.

ALL OTHER HOLIDAY GREENS IN QUANTITY. CALL AND MAKE YOUR SELECTION.

GEO. A. SUTHERLAND,

Telephone 1270 Boston. 67 Bromfield St., BOSTON, MASS.

Please mention the American Florist when writing.

NEPHROLEPIS WASHINGTONIENSIS,

(The Giant Decorative Fern)

originated with me. 4 large or 6 smaller plants free by mail for $1.00.

Send for Price List of HOLIDAY DECORATIVE PLANTS.....

N. STUDER, Anacostia, D. C.

Rooted Cuttings!

PELARGONIUMS,	15 varieties		$2 00 per 100
PETUNIAS,	30	"	 1.25 "
HELIOTROPE,	15	"	 1.00 "
VERBENAS,	40	"	$5 per 1000. .60 "

Express prepaid except on Pelargoniums. Cash with orders. Do not send checks.

For particulars write.... S. D. BRANT, Clay Center, Kans.

Please mention the American Florist when writing.

CINERARIAS!

from Beonry, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants—2½ in., $2 00 per 100; $9.00 per 300; 3-in., $3 00 per 100; large plants, 4 in., $1 00 per doz.

SHELLROAD CREENHOUSE CO., ...Grange P. O., Baltimore, Md.

Please mention the American Florist when writing.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th treet, PHILADELPHIA PA.

25,000 Fine Rooted Runners... LADY CAMPBELL VIOLETS.

$5.00 per 1000. Sample free.

WILLIAM SWAYNE, Box 226. Kennett Square, Pa.

CHOICE STOCK

For CHRISTMAS Trade

	Per 100
CYCLAMEN, 4 colors, 2¼-in. pots	$5.00
ASPARAGUS SPRENGERII, 2½-in., extra strong	6.00
" " 3-in. pots, very large	8.00
PRIMROSES (Chinese), 3-in. pots	5.00
" " " 4-in. pots	6.00
" " " 6-in. pans	$3.00 per doz.
" (Obconica grandiflora and hybridum), same size and price as Chinese Primroses. All in bud and bloom.	

NATHAN SMITH & SON, Adrian, Mich.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other var., 15c per 100; $1 per 1000; if by mail add 10c per 100.

PARSLEY, strong plants 35c per 100; $1.50 per 1000; $12.50 per 10,000 if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

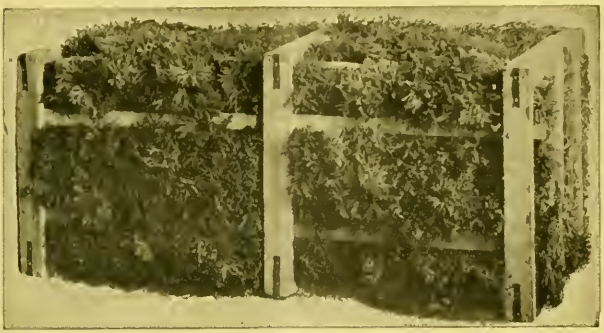
STORM KING DAHLIA

READY NOW.. For Forcing.

Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.

W. P. PEACOCK, ATCO, N. J.

Please mention the American Florist when writing.



Pioneer Headquarters For

VAUGHAN'S XXX HOLLY

Its average high quality never beaten. Every case re-inspected by us.

DEEP WOODS BOUQUET GREEN.

From Little Rib River Black River, Red River and Evergreen Creek. Indian picked.

WE MEET THE MARKET. Write or wire for latest quotations.

VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO.

14 Barclay St., NEW YORK.

Our Brand of

SELECT ...HOLLY

is $5.00 a case.
Two cases for $9.00.

It is more profitable to buy than the loosely-packed, unselected rubbish noisily offered at a few cents less, for our cases contain 25 per cent more Holly and the quality is uniform from top to bottom.

If you want it, don't wait till to-morrow, but place your order NOW.

N. F. McCARTHY & CO.,

84 Hawley Street,

Telephone 734. **BOSTON, MASS.**

All Florists' Supplies.

Please mention the American Florist when writing.

BOUQUET GREEN.

Best quality at lowest rates. We gather our own greens and bring by our own boat direct. Also CHRISTMAS TREES.

Northern Michigan Evergreen Nursery,

SCHOONER MARY COLLINS, - S. W. Cor. Clark St.
H. Schueneman, Capt. Bridge, CHICAGO.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

HIGH GRADE CHRISTMAS GREENS,

HOLLY.

ENGLISH and AMERICAN MISTLETOE, LAUREL, PINE and HOLLY WREATHS and FESTOONING, SOUTHERN SMILAX, NEEDLE PINES, PALMS and MAGNOLIA FOLIAGE.

Order now while you have time. We will suit you as to...

Perfection, Price and Promptness.

Welch Bros.,

Telephone 2161 Boston. 15 Province St., BOSTON, MASS.



Eight Million

HARDY

Cut Ferns

at 75c. per 1000.

I am now at liberty to sell to all Florists in Chicago, as contract has been broken in the absence of pay.

Bouquet Green 5c. per lb. Sphagnum Moss 50c. per barrel.

Christmas Trees in small lots shipped promptly, all orders by mail or despatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

HOLLY. = HOLLY.

Get our prices on Holly, as we are going to sell Choice Delaware Holly at prices that defy competition; it is of dark foliage, well berried and with dark green leaves.

Also Galax Leaves, Mistletoe, Running Cedar, Laurel Roping and Decorative Greens at low prices.

Orders of 5 cases or more at jobbers' prices.

Special Express and Freight Rates.

A. K. SAVACOOL, Lewes, Del.

Always mention the American Florist when you order stock.

Southern Wild Smilax.

Case of 50 lbs.....$3.50
Case of 25 lbs..... 2.00
HOLLY, well berried, case of 50 lbs..... 2.50
SARSAPARILLA VINE, case of 4 cubic ft. 1.00

F. & S. LEE, Marion, Ala.

Dealers in Decorative Evergreens.

Please mention the American Florist when writing.

Southern Wild Smilax

F. O. B.

35 pound Cases.....$1.50
50 pound Cases.....$2.00

LONG NEEDLE PINES, per doz. 50c.; per 100, $3.00

My stock is first-class; carefully packed; full cases. Orders by telegraph filled same day received. Orders for the holiday trade solicited.

J. R. McCREARY, The Forester, GORDON, ALA.

Please mention the American Florist when writing.

1000 DWARF CINERARIAS.

Fine, 3-inch pots will, fill a 4 or 5-inch pot, at $3.00 per 100; 2¼-inch pots, $2.00 per 100.

Cyclamen Persicum and Giganteum in bud and bloom, just right for Christmas from 5-inch pots at 20c.; will exchange for geraniums. Satisfaction guaranteed. Low express rate.

J. S. BLOOM, Riegelsville, Pa.

SEE THIS PRICE. 500 3-in. Maids for forcing or pot sales, worth $5.00 per 100; we close them at $3.00. 500 Maids, 2¼-in., at $2.50, choice stock. Carnations, rooted cuttings of best varieties of Carnations at $1.00 100. Place orders now.

W. H. CULLETT & SONS, Lincoln, Ill.

Malden, Mass.

It is quite evident that interest in the cross fertilization of the carnation is on the increase and a great many of the growers are anticipating nice results from a favorite batch of seedlings. John Foote is showing two of the most promising ones I have yet seen; one a white, Daybreak×McGowan, is certainly a fine sort, being a large pure white of good form and substance, very deeply fringed, borne on long, stiff stems, very much of the Daybreak habit of growth except that it shows no trace of hacteria, and flowers freely. The other is a cerise shade which Mr. Foote considers his best. It has much in its habit of growth to commend it; it is Scott × Foster. Some very fine Francis Joost are being cut and more of this variety are being grown at this place this year than all other kinds combined. I noticed a fine batch of Gen. Maceo. Mrs. Bradt is also grow fair but is splitting its calyx badly so far this season, owing, probably, to the temperature running too low for it, for I find that it likes a fair heat. Mr. Foote grows for the market wholly and is considered one of our best on carnations.

TAP.

WAKEFIELD, Mass.—Charlie Tuttle is cutting some fine Edith Foster carnations and considers this the best white that he has grown. Violets are not as good here as last season owing to the extreme drought through the summer.

HOME GROWN PALMS

		Pots	Per doz.	Per 100
Kentia Belmoreana		3-in.	$3.00	$23.00
" "		4-in.	5.00	40.00
	Size	Char.		
	Pots.	Leaves.	High.	
" "	5,	5-7	18-24,	$9-$12 $70-$90
" "	6,	7-8	20-25,	18 144
" "	7,	7-8	26-30,	30-36 240-290
" "	8,	7-8	$3.00 to $4.00 each.	
" "	9,	7-8	5.00 to 7.00 "	
Kentia Forsteriana, 3-in. $1 50 per doz.; $12 per 100				
" "	4-in. $3.00		"	$23 "
" " "	5,	5-6	24-30,	$9-$12 $75-$95
" " "	6,	7-8	25-30,	18 144
" " "	7,	7-8	35-42,	28-30 225
" " "	8,	7-8	$3.00 to $4.00 each.	
" " "	9,	7-8	5 00 to 8.00 "	
Latania Borbonica, 2-in.			.50	3.00
" "	3-in.		1.25	12.00
" "	4-in.		3.00	23.00
" " "	5,	5-8	15-30,	5.00 40.00
" " "	6,	6-8	16-24,	8.50 65.00
" " "	7,	6-8	18-24,	12.00 90.00
" " "	8,	7-8	28-34,	22.00 175.00
" " "	9,	7-9	28-36,	34 00 272.00

Ficus Elastica, 5-in. 50c; doz. $5.50; 6-in. $8.00 doz. Livistonia Rotundifolia, 7-in., 12-14 leaves, $2.50 to $3.00 each. Pandanus Veitchii, 4-in. to 14-in., 50c to $10 each. Boston Ferns, 5c to $2.00 each. Cycas, Dracenas, Asparagus, etc., in large variety. Chrysanthemums, stock plants, $10 per 100.

We have 150,000 Tropical Plants on hand. Your visit invited. Term cash, but inspection allowed at express office.

ALBERT FUCHS,
2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.

Profitable Investment

Orchids in sheath and bud, to bloom in December and January. Price of flowers alone will realize over 100 per cent. cost of plants.

Odontoglossum Cervantesii	per doz., $1.50.	per 100, $12 00	
" Rossii Majus,	" " 2.00,	" " 15 00	
" Nebulosum,	" " 2.00,	" " 15.00	

Price includes prepayment by parcel post.
J. A. McDOWELL, - CITY OF MEXICO.

Field-Grown CARNATION PLANTS
ALL SOLD EXCEPT
800 EMILY PIERSON, 100 SILVER SPRAY,
200 MORELLO, 100 SAGINAW.

Will sell the above lot at one-half of cost price to grow, if taken at once. Plants are protected in cold frames and are in fine condition.

CHAS. CHADWICK, L. B. 11, Grand Rapids, Mich.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.
Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000.
NO RUST OR MILDEW.
PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.
We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.
J. L. DILLON, Bloomsburg, Pa.

Stock Plants.....
CHRYSANTHEMUMS!
10c. each, or $1.00 a doz.
The following varieties:

Viviand-Morel	Pennsylvania	Golden Gate
Mrs. Egan	Mutual Friend	Mrs. F. Thompson
Kentucky	Mayflower	Mrs. H. L. Weeks
Mrs. Robinson	F. Hardy	Mrs. C. B. Pierce
	Major Bonnaffon	

CARL E. TAUBE,
Mercer Floral Co. TRENTON, N. J.

Acalypha Sanderi
FINE PLANTS, 2½-inch, $8.00 per 100.
THE CONARD & JONES CO.
WEST GROVE, PA.

Carnations. We are headquarters for all new and standard varieties. If you want anything write us. All information cheerfully given. Field grown plants all sold.

Chrysanthemums. Stock plants of the leading and standard sorts. Write for prices.
H. WEBER & SONS, Oakland, Md.

PANSIES WORTH RAISING
GOOD PLANTS by express $2.50 per 500: $4.00 per 1000. SEED as usual.
C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

Asparagus Plumosus Nanus
STRONG STOCK.
2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000
S. S. SKIDELSKY,
730 Pine Street, PHILADELPHIA.
Mention American Florist.

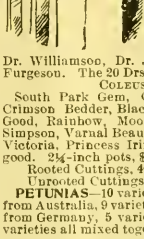
CHEAP! CHEAP!
Chrysanthemum Stock Plants, W. and P. Ivory, Pacific, Robinson and Bergmann, $2.50 per 100, if ordered this month.....
CHAS. L. MARSHALL, 67 Merrimac St., LOWELL, MASS.

Orchids. Orchids.
F. SANDER & CO.
Have the finest and largest stock in the world.
St. Albans, England, & Bruges, Belgium.
Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

Orchids!

Just arrived in fine condition, a fresh lot of *Cattleya Mendelii*, also *C. labiata, C. Speciosissima* and *C. Harrisonia*.
LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Remember us to our advertisers.



PRICES WILL ADVANCE
JAN. 1ST, 1900.
20 NEW COLEUS. They are Beauties—Dr. Nelson, Dr. Anderson, Dr. Erickson, Dr. Peterson, Dr. Stevenson, Dr. Osmanson, Dr. Emerson, Dr. Olson, Dr. Johnson, Dr. Pattison, Dr. Matterson, Dr. Davidson, Dr. Carlson, Dr. Wilson Dr. Thompson, Dr. Siverson, Dr. Williamson, Dr. Jackson, Dr. Knutson, Dr. Furgeson. The 20 Drs. for $1.00, or $4.00 per 100.

COLEUS STANDARD.
South Park Gem, Carsioux, Queen Victoria, Crimson Bedder, Black Bird, Crist Beauty, John Good, Rainbow, Moonbeam, Hiawatha, George Simpson, Varnal Beauty, Emp. of Germany, Emp. Victoria, Princess Irine, and ten others just as good. 2¼-inch pots, $1.50 per 100.

Rooted Cuttings, 40 varieties, 50c. per 100.
Unrooted Cuttings, 60 varieties, 25c. per 100.

PETUNIAS—10 varieties of Dreer's, 2 varieties from Australia, 9 varieties from France, 4 varieties from Germany, 5 varieties from England, the 30 varieties all mixed together, 2¼-in., $2.00 per 100.

	Per 100
Feverfew, Little Gem, 2¼-in	$1.50
" Golden Leaved, 2¼-in	1.50
Velvet Plant, 2¼-in	1.50
Geranium Harmine and La Favorite, 2¼-in.	1.50
Hardy Pink Clumps	2.00
Pansy Plants, $3.00 and $4.00 per 1000.	
Primula Chinensis, 3 in	3.00
" from flats	.75
Primula Obconica, 3½-in	3.00
" 2½-in	1.50
Forget-Me-Not, winter blooming, 2¼-in	2.00

BEGONIAS, Flowering—White Rubra, Augusta, Galatea, Sanderson, Semperflorens Rosea, Fuchsiflora, Fuchsoids, Red Erfordii, Erfordii Pink, and 10 other varieties, in small lots, all 2¼-in., $1.50 per 100.

CANNAS—Florence Vaughan, Australia, A. Bouvier, Mme. Charatt, Mme. Crozy, Statia, and 10 others, all mixed together, single eyes, $1.00 per 100, $5.00 per 1000.

Mesembrynthemum Erectum, Basket Plant, r. c., $1 per 100; California Moss, r. c., $1 per 100; Cigar Plant, 2½-in., $1.50 per 100; Alternanthera, 4 colors, yellow, red, pink and large leaved variety 2½-in., full of cuttings, $2 per 100, $18 per 1000; 2¼ in., $1.50 per 100; $12.50 per 1000; Unrooted Cuttings, 4 varieties, 25c. per 100, $2 per 1000, $8 per 5000, $15 per 10,000.

Lycopodium Dent, 2¼-in., $1.50 per 100; Iresines, 2 colors, 2¼-in., $1.50 per 100; Dusty Miller, 2¼ in., $3 per 100; Golden leaved Feverfew, r. c., $1 per 100.

R. C. CARNATIONS READY.

G. H. Crane, 1899	$6. 00 per 100
Glacier, 1899	4.00 "
Argyle, 1898	2.00 "
Empress, 1898	1.50 "
Bon Ton, 1898	1.50 "
Maud Adams, 1899	4.00 "
Daybreak	1.50 "
Morello	1.50 "

We are now booking orders, for 1900 varieties, and all other good ones for future delivery.

Large orders from above plants. We ask for list to estimate. Prompt shipments or money returned by next mail.

CASH.

W. H. MURPHEY, - Minooka, Ill.
Please mention the American Florist when writing.

THRIFTY FIELD
CARNATIONS
with plenty of roots.
Send for prices.
Geo. Hancock & Son, Grand Haven, Mich.
Please mention the American Florist when writing.

WANTED Rooted Cuttings of MARECHAL NIEL ROSES in any quantity. Delivery can be made any time up to February 15th, 1900.
JOSEPH W. VESTAL & SON, Little Rock, Ark.

THE GRAND NEW ROSE LIBERTY!

Won Highest Honors Wherever Shown.

The Finest Crimson Forcing Rose of the Century.

MOST nearly approached by Meteor in color, but far surpassing that standard variety in brilliancy and purity of color, as well as in size and freedom of bloom, never showing any deformed, black or bull heads, either in winter or summer. A remarkable keeper when cut, keeping its brilliancy of color without turning blue or dropping its petals, as is the case with Gen. Jacqueminot, which it somewhat resembles in size and fragrance.

To be sure of getting the best crimson forcing rose of the century and A1 stock, send your orders at once to the undersigned or his agents mentioned below. My stock for March delivery being all sold, I can only take orders for delivery in April and later. All orders filled strictly in rotation. First come, first served.

PRICES ARE AS FOLLOWS FOR A1 STOCK:

Own Rooted Stock in 2½-in. Pots.		Grafted Plants in 2½-in. Pots.	
12 plants	$0.60 each	12 plants	$0.75 each
25 "	.50 "	25 "	.60 "
50 "	.30 "	50 "	.50 "
100 "	.25 "	100 "	.40 "
1000 "	.20 "	1000 "	.35 "

Satisfactory reference or deposit from all unknown correspondents.

I HEREBY EXTEND A CORDIAL INVITATION TO ALL LOVERS OF THE QUEEN OF FLOWERS TO COME AND SEE LIBERTY GROWING.

E. G. ASMUS, - WEST HOBOKEN, N. J.

AGENTS— VAUGHAN'S SEED STORE, Chicago, Ill J. N. MAY, Summit, N. J. F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

MANETTI STOCKS! ENGLISH OR FRENCH

FOR DECEMBER DELIVERY. PRICE ON APPLICATION.

Indications are that Manetti Stocks are exceedingly scarce this season, but can still offer good stock in quantity.

HARRY A. BUNYARD, 42 W 28TH ST., NEW YORK CITY.

Hydrangeas

FOR FORCING.

OTAKSA. THOS. HOGG.

Fine, strong stock, with 4 to 6 crowns, $10 per 100; $90 per 1000.

JACKSON & PERKINS CO. NEWARK, NEW YORK.

Orders Now Booked For

CARNATION CUTTINGS!

For All Fancy Varieties.
All Cuttings Guaranted A1.

CHICAGO CARNATION CO.,
Greenhouses and address, JOLIET, ILL.

New and Standard Varieties of

CARNATIONS.

F. DORNER & SONS CO., LaFayette, Ind.

FOR SALE 5000 Rooted Cuttings.

Mrs. Fisher Carnation Cuttings now ready for shipment, $6.00 per 1000.

ADDRESS
CHAS. SCHWEIGERT. Niles Center, Ill.

Finest Forcing Roses

	2¼-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. Cash with order.

Asparagus Sprengerii, 2½-in. pots; Asparagus plumosus nanus, 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

FLORISTS if you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land. AMERICAN FLORIST Co., 324 Dearborn street, Chicago.

Tell them where you saw the ad.

GIVE US LIBERTY

Will be the cry when the plants are all sold.

Our stock of **LIBERTY**, the greatest crimson scarlet Rose ever introduced, **IS ALL SOLD FOR MARCH DELIVERY.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock, should order at once.

OWN ROOT PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 30 cts. each
100 plants and up to 1000, 25 cts. each
1000 plants and over, $200 per 1000
3-inch pot plants, 5c each additional.

GRAFTED PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 50 cts. each
100 plants and up to 1000, 40 cts. each
1000 plants or more, $350 per 1000
3-inch pot plants, 5c each additional.

ROBERT SCOTT & SON, Sharon Hill, Delaware Co., Pa.

Eastern Agents, ROBT. CRAIG & SON, 49th & Market Sts., Philadelphia, Pa. | Western Agents, BASSETT & WASHBURN, 76-78 Wabash Ave., Chicago, Ill.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

Grown equally successfully by Hill, Craig, and myself; you are not buying it on a venture, but knowing that it is not a success in one soil and a failure in another.

In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants, never out of crop from September to July, more flowers to the square foot than any other known variety and practically no seconds.

With 18,000 stock plants to work from there is no danger of over propagation, and you are not asked to wait until planting out time for your cuttings but can have them whenever wanted. Orders entrusted to me will have my personal attention, both in the selection of the cuttings and the filling of the order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES at $4.00 now, and a regular assortment of CARNATIONS in a list ready Jan. 1st.

ALBERT M. HERR, Lancaster, Pa.

Rose Crimson Rambler.

As a pot plant for retail sales this rose is incomparable. Its hundreds of blossoms all open together and seem to improve for at least two and even three weeks. The bright crimson color holds without fading and contrasts finely with the glossy foliage. It Forces Easily. We have fine dormant stock.

2-year-old, 2 to 3 feet, well branched, own roots, per dozen, $2.00; per 100, $15.00.
3-year-old, 4 to 5 ft., well branched, budded or own roots, doz. $3.00; per 100, $20.00.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

AMERICAN BEAUTY Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS. A. S. MacBEAN, Lakewood, N. J.

NEXT CENTURY'S BUSINESS

can be started now by advertising in this journal. Don't wait until January 1 to commence next year's business. The best orders are placed early with advertisers in THE AMERICAN FLORIST

TRY THIS PLAN.

Cincinnati.

STATE OF MARKET.—DEPARTURE OF THE CHRYSANTHEMUM NOT MOURNED.—WITTERSTAETTER'S WAGON SMASHED.—JUNKETING TRIP PLANNED.

The supply of cut flowers has shortened considerably since last report, while the demand has increased and consequently prices have advanced. Thanksgiving trade was far better than anticipated. Cut flowers moved quickly and storemen made a rush for the wholesale houses and by nine a. m. everything was cleared out. Violets are and have been scarce, the reason we can not account for, as the weather this fall has been decidedly favorable. Chrysanthemums are about done, but a few choice blooms may be seen here and there; it seems as though the storemen are all glad that they are going. Roman hyacinths and Paper Whites are coming in plentifully with lily of the valley enough to meet demands. A lively Christmas trade in holly and evergreens is looked for by dealers here.

On the way home from market Saturday night Mr. Witterstaetter's wagon collided with an electric car, corner Sixth street and Mount Hope; fortunately the driver escaped injury.

E. G. Hill was a recent caller. Quite a delegation from here will take a flying trip to Lafayette en route to Richmond, Ind., on December 13. Any one wishing to join the party may address E. G. Gillett, 113 East Third street for further information. H. SCHWARZ.



NOVELTIES FOR 1900.
Ready for delivery in March.

HIBISCUS PEACHBLOW.

This is one of the finest plant novelties offered in recent years. The flowers are double and from 4 to 5 inches in diameter. Color, a clear, rich pink with a small, deep crimson center, an entirely new and most beautiful shade. 2½-in. pot plants per dozen $1 50; per 100, $10 00.

AGERATUM STELLA GURNEY.

The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen $1.25, per 100, $8.00.

VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.



3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."
IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other. Large clumps, ready to divide, $5 per 100 or 25 for $1 50 by express. Smaller ones by mail prepaid, same price. A few hundred EXTRA LARGE CLUMPS, $10 per 100, $1.50 for 12.

ASPARAGUS SPRENGERI 2½-inch, fine, $4.00 per 100; 3½-inch $7.00 per 100.

A BARGAIN. Fine 6-inch pots, will give lots of green, 25 for $5.00; 12 for $2.50.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

THE LACE FERN, POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

THE ORANGE VIOLET. (Browallia Jamesoni). Fine plants 3½-inch pots $1.25 per 12, express.

THE GENUINE EDELWEISS OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years*. Fine as a souvenir to your customers. 10 for $1, 25 for $2, mailed free. Send for sample flower.

A. BLANC, PHILADELPHIA, PA.

Force! Force! Force!

	Per 100
SPIRAEA Japonica	$3.50
" Compacta	5.00
" Astilboides floribunda	5.00
" Japonica aurea reticulata	5.00

Extra fine and decorative.

PAEONIA Officinalis rubra pleno	10.00

This is the true dark crimson variety, the earliest flowering Pæonia in existence, and the only one good for forcing.

	Per 1000
LILY OF THE VALLEY, selected pips, (German)	$12.00
GLADIOLUS Colvilli The Bride	4.00
" " Rubra	4.00
" May	per 100, $2.50, 20.00

Pure white, finely flaked rose, the best for greenhouse planting.

Bobbink & Atkins,
RUTHERFORD, N. J.
Please mention the American Florist when writing.

Verbenas...

75,000, all standard named sorts, much superior to the home made named seedling often sent out. Gauranteed all true to name.

REDUCED PRICES.

Rooted Cuttings, well rooted
60c. per 100; $5.50 per 1,000; 5,000 for $25.00
10,000 for $45.00; 25,000 for $100.00.

In larger lots, write for prices.
We don't care where you live—guaranteed to reach you in good shape.
Sent Prepaid.

S. T. DANLEY
MACOMB, ILL.
Please mention the American Florist when writing.

CYCLAMEN plants in 3-inch pots all sold.

Have some in thumb pots for growing on for next year, also fine plants in bud and bloom, in 5 and 6-inch pots, yet to offer.
Further information cheerfully given.
EDWIN LONSDALE,
Wyndmoor, Chestnut Hill, Phila. Pa.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.
Please mention the American Florist when writing.

IMPORTANT.

Every retail Florist should have our descriptive wholesale price list of SPECIALTIES, there is money in it for every man in the trade, a few of the good things mentioned below.

VERBENAS, 30th Century set 32 grand mammoth varieties selected from over 100 of the choicest, including the latest Capt. Dreyfus, Helen Gould, Melba and many others. Clean, healthy, vigorous plants of the most fascinating colors and shades. Extra strong 2-in. full of cuttings $2.00 per 100, $18.00 per 1000; extra strong rooted cuttings 60c. per 100; $5.00 per 1000.

DBL. FRINGED PETUNIAS Dreer's and Henderson's latest, known the world over as the standard of perfection, 12 gorgeous varieties. True to name. Extra strong 2-in. $2.00 per 100, $18.00 per 1000; extra strong rooted cuttings, $1.00 per 100, $8 00 per 1000.

NEW GIANT CALIFORNIA WHITE MARGUERITE and New Golden; they sell on sight, extra strong 2½-in, $2.50 per 100; extra strong rooted cuttings, $1.00 per 100.

SALVIA SPLENDENS, the old stand by, no other so good. Extra strong 2½-in. $2.50 per 100; extra strong rooted cuttings, $1.00 per 100.

AGERATUM PRINCESS PAULINE, the great novelty of '98, the only one to grow. Extra strong 2½-in. $2.50 per 100; extra strong rooted cuttings, $1.00 per 100.

VINCAS, MAJOR AND VARIGATIA, extra strong rooted cuttings, $1.00 per 100.

1000 BRIDESMAID ROSES, strong 2½-in. and 3-in., $2.50 per 100, $20.00 per 1000.

☞ TERMS STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.



VERBENA KING.

The largest Verbena grower in the world (Bros. & Sisters); we have them, too, the very best mammoth named vars. on earth and sure to please you at the following prices—60c. per 100, $5.00 per 1000; 5000 for $22.00, 10,000 for $40.00. Write for prices on larger lots.

Look here! we pay express charges on all Rooted Cuttings, and beside, we guarantee satisfaction in every shape or manner and we will do it for

THAT CASH, PLEASE.

C. Humfeld, Clay Center, Kans.

PANSIES

FINE PLANTS. Large Flowing Strain, 50c. per 100, $2.50 per 1000.

PANSY SEED. Non plus ultra, $1 00 per ounce.

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

NICOTEEN

APHIS PUNK.

It Burns!

The most convenient way of applying an insecticide ever yet devised. No pans required. No heating of irons. No trouble. Cannot injure the most sensitive blooms. Very effective.

PRICE: 60c. per box of 12 rolls. All dealers sell it.

SKABCURA DIP CO.

ST. LOUIS. CHICAGO

Standard FLOWER **Pots**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

STANDARD FLOWER POTS

FIRST QUALITY.		CREAM COLOR.	
1¾ in., per 1000	$2 40	3½ in., per 1000,	$ 4 95
2 in., "	2 75	4 in., "	6 20
2½ in., "	3 35	5 in., "	10 80
3 in., "	4 70	6 in., "	16 50

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.

Standard Pots Made by

Good Railroad Facilities For shipping. Special Attention Given to Mail Orders, and Special Sizes Made to Order.

KELLER BROS.

NORRISTOWN, PA.

Price Lists Furnished on Application.

FLOWER POTS

ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

J. G. SWAHN'S SONS, P. O. Box 78, MINNEAPOLIS, MINN.



GEO. KELLER & SON,

MANUFACTURERS OF

Flower Pots.

Before buying write for prices

361-363 Herndon Street near Wrightwood Ave.,

CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,

HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

ALTERNANTHERA, RED AND YELLOW. Rooted Cuttings, per 100 50c, per 1000 $4.00. **Selaginella Deuticulata,** extra fine, 2-in. per 100 $2.00.

E. I. RAWLINGS, Quakertown, Pa.

Kift's Adjustable Hanging Flower Vase and Plant Holder.

Ornamental, practical and useful; just the thing for short-stemmed flowers such as violets, orchids, valley, etc. Indispensable for show window and house decorations. The clasps are adjustable and can be placed in any position or angle. The fixture is made of solid brass, heavily nickel-plated and is practically indestructible. A larger size for five to six-inch potted plants, such as Adiantum Farleyense, Cyclamens, etc., shows these plants to the best possible advantage.

Kift's Individual Cut Flower Vase...

A pointed glass tube fitted with a perforated rubber cap, through which the stem of the flower is placed. The cap holds the vase and the flower firmly together and prevents the escape of water in the tube, no matter at what angle it is placed. Useful for keeping flowers when sprayed on dinner tables, for basket handles, for orchid sprays which can be inserted in pots of Farleyense, etc., and is useful for hosts of decorative effects.

WRITE FOR CIRCULARS AND PRICES.

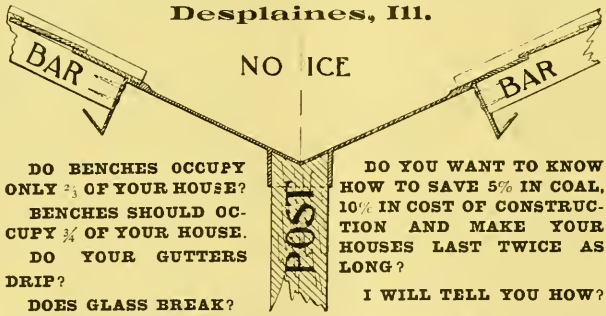
ROBT. KIFT, - 1725 Chestnut Street, Philadelphia, Pa.

Please mention the American Florist when writing.

GARLAND'S

Valley Gutter and Drip Conductor,

Desplaines, Ill.



DO BENCHES OCCUPY ONLY ⅔ OF YOUR HOUSE? BENCHES SHOULD OCCUPY ¾ OF YOUR HOUSE.

DO YOUR GUTTERS DRIP?

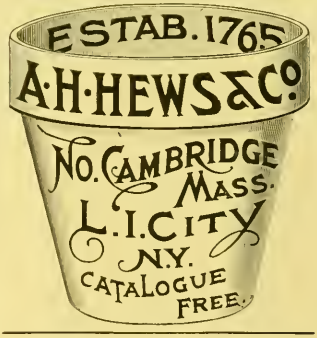
DOES GLASS BREAK?

DO YOU WANT TO KNOW HOW TO SAVE 5% IN COAL, 10% IN COST OF CONSTRUCTION AND MAKE YOUR HOUSES LAST TWICE AS LONG?

I WILL TELL YOU HOW?

TWO FEET SPACE UNDER GUTTER WILL NET YOU $50.00 PER YEAR.

PATENTED DEC. 27, 1898.



An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

"NICOMITE"

(PATENT)

Vapor Insecticide

POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

RED SPIDER, GREEN FLY and all other Insect Pests.

ASK YOUR SEEDSMAN FOR IT.

The Tobacco Warehousing and Trading Co., LOUISVILLE, KY.

Please mention the American Florist when writing.

Vinca Major Var.

Strong, field-grown clumps, $5.00 per 100. Layers, well-rooted, $1.50 per 100. CASH.

H. KINGSTON, COUNCIL BLUFFS, IOWA.

Cleveland.

UNSATISFACTORY STATE OF TRADE.—LITTLE BUSINESS AND LESS STOCK.—A GOOD THANKSGIVING.—PROSPECTS OF HIGH PRICES FOR CHRISTMAS.

The present situation of the cut flower trade is hardly satisfactory to anybody. Business has been somewhat quiet since Thanksgiving, but there seemed to be no flowers to do even that little with. Carnations could be sold at almost any price that was not prohibitory, but growers have but few to offer, so that price possibilities benefit them but little. Roses are likewise in short supply and are somewhat poor in quality. Chrysanthemums are out of it entirely. Violets, at least so far as local sources are concerned, have taken to the woods. Paper Whites and Roman hyacinths alone are left to us. Retailers all say that business at Thanksgiving was good, much better than last year, but the shortage of chrysanthemums cut down the stock on hand woefully and some stores were sold out early. Should the weather continue for any length of time as stormy and unfavorable as at present the outlook is for a most unusual dearth of flowers for the holidays. In fact there is a quite general opinion that flowers will sell higher this Christmas than at any time within recent years. A.

BIRMINGHAM, ALA.—C. D. Henley, representing E. S. Nixon, of Chattanooga, Tenn, who has nine houses with 24,000 feet of glass and 6,000 additional feet over violets, has been in town making arrangements to have their stock handled here regularly. They make a specialty of American Beauties and have enjoyed some mail order business here.

Cypress
Greenhouse Material.

We are the pioneers in Clear Cypress Greenhouse Material. We discovered that Cypress is better than any other wood for greenhouses from top of posts up and we introduced it, and fought for it against many prejudices, and finally succeeded in bringing it into general use.

Others have attempted to follow where we lead, others are trying to reap what we sowed, but we have the experience and are recognized as experts in greenhouse construction.

Write for Circulars or Estimates.

Lockland Lumber Co.
LOCKLAND, OHIO.

H. M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.
GREENHOUSE GLASS
OUR SPECIALTY.
LARGE STOCK PROMPT SHIPMENT.
Also Manufacturers of Pure Linseed Oil Putty, Paints, Brushes Etc.
WRITE FOR LATEST PRICES.

Xmas Stars

made from Lufia to take the place of Immortelle Stars, fine red. Sample by mail, 15 cts. in stamps. Also all kinds of FLORISTS' SUPPLIES and all kinds of DECORATIVE GREENS.
Send for Price List.
S. J. LIMPRECHT, 119 W. 30th St., NEW YORK.

NEW WHOLESALE PRICE LIST OF.....
Florists' Supplies
now ready. Western Florists will save money by buying in Denver.
COLORADO SEED STORE,
BARTELDES & CO., DENVER, COLO.

BONE MEAL
Made for my own use and for other florists who are looking for something good.
TRY A BAG NOW.
ALBERT M. HERR, Lancaster, Pa.

John Conley & Son,
Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

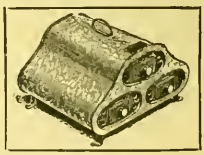
Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of ½c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.

Send for Descriptive Circular and Price List.



Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAMES W. ERRINGER,
Gen. West. Sales Agent,
297 Wabash Ave., CHICAGO.

ESTABLISHED 1866 EMIL STEFFENS SUCC.TO N. STEFFENS AND STEFFENS BROS.
MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

FLORISTS' SUPPLIES. NEW LIST FOR 1899 IS OUT and will be mailed on application.
CYCAS LEAVES. OURS RIVAL THE BEST IN THE MARKET. 16-19 in. $1.20; 20-23 in. $1.40; 24-27 in. $1.60; 28-31 in. $1.90; 32-35 in. $2.20; 36-39 in. $2.50; 40-43 in. $3 the doz. leaves. Note the reduction.
IMPORTED METAL DESIGNS, just received, latest attractive styles, from 35 cts. upwards.
AUGUST RÖLKER & SONS, 52 DEY STREET, NEW YORK.

THE KINNEY PUMP.
For applying liquid manure it has no equal. Sent prepaid for $2.50. Without spraying valve, $2.00
The Hose Connection Co., Kingston, R. I.

FOR SALE CHEAP.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats. Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK

Please Mention Us To Our Advertisers.

M. RICE & CO.

ARE EXCLUSIVE IMPORTERS AND MANUFACTURERS OF

FLORISTS' SUPPLIES.

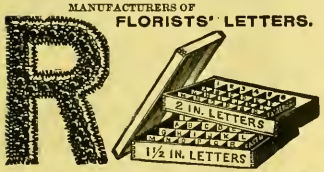
Moss Wreaths, Baskets, Wheat Sheaves, Doves,
Grasses, Immortelles, Pot Covers, Metal Designs,
Chenille, Plateaux, Cape Flowers, Lace and Paper Handkerchiefs.
Prepared Palm Leaves, Pedestals, Palm Plants, Etc., Etc.

CATALOGUE FOR THE ASKING.

M. Rice & Co., 918 Filbert St., Philadelphia, Pa.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,

DAYTON, OHIO.

The Philadelphia Wire Works.

HENRY RAJSIK, Proprietor.

Manufacturers of all kinds of

WIRE GOODS For Florists' Use.

ANY FLORAL DESIGN AT SHORT NOTICE.

807-809 No. Fourth St., PHILADELPHIA, PA.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

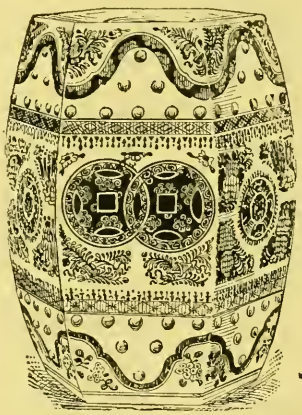
H. BAYERSDORFER & CO.
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.
Send for Prices.
404-412 East 34th St., NEW YORK.



CANTON CHINA PLANT-POT.



Canton China Hall-Seat or Plant Pot Stand.

PLANT POTS AND PEDESTALS.

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese **Plant Pots** or **Jardinieres**, selected by our buyers at the places of production in the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to $150, each.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

Wholesale and Retail.

Jones, McDuffee & Stratton Co.

CHINA, GLASS AND LAMP MERCHANTS,

120 Franklin Street, BOSTON, MASS.

IMP.

For Greenhouse Cultivating.

IMPERIAL LIQUID PLANT FOOD.

IT IS RICH IN WHAT PLANTS NEED.
IT PRODUCES WONDERFUL GROWTH.
IT IS CLEAN AND ODORLESS.
IT PAYS FOR ITSELF MANY TIMES OVER.

We refer to John Barr, Jackson Dawson, W. W. Rawson, of Boston, etc., etc.

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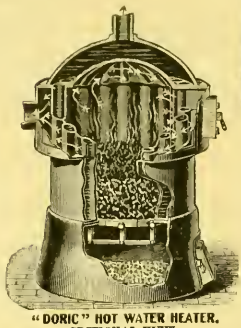
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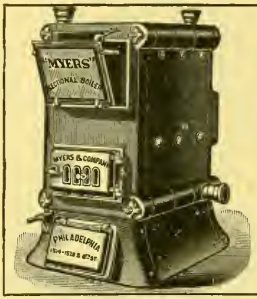
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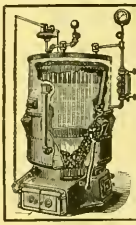
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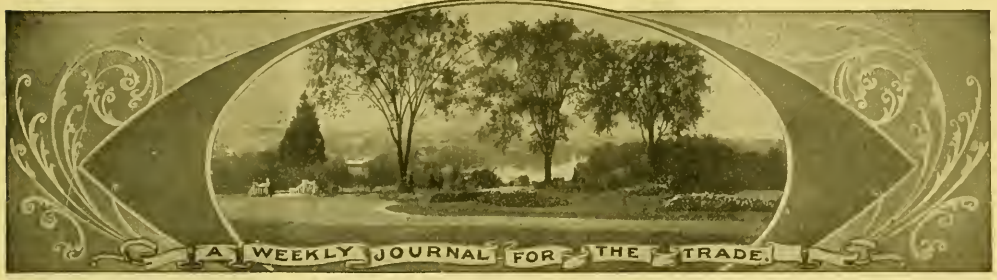
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THE AMERICAN FLORIST



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THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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Notes on Holiday Plants.

Among the Christmas offerings this year, stands out most prominently the lovely Gloire de Lorraine begonia. This plant is the grandest introduction in its class for many years. Its wealth of rosy bloom charms every one and the persistency of its flowers under changes of temperature and location makes it, whether in tiny specimens or large masses, the ideal house plant. As with many of our most popular commercial plants, we are indebted to the private gardener for having first demonstrated in this country the possibilities of Gloire de Lorraine, F. L. Harris, gardener at the H. H. Hunnewell place in Wellesley, Mass., having shown the first specimen of it at a banquet given by E. M. Wood, two years ago, and this fact having been duly noted at the time in the columns of the AMERICAN FLORIST. The following spring Mr. Harris is recorded as having received a silver medal from the Massachusetts Horticultural Society for a specimen of Gloire de Lorraine exhibited by him, a rather inadequate recognition in the light of the merits of the subject as now demonstrated. Already two forms are on the market, quite distinct as to color, the newest form being much lighter in tint, more stocky and compact in habit and indicating in its heavier textured and darker green foliage a possibly greater vigor than the type. Edwin Lonsdale is the possessor of this light flowered stock and says that his customers prefer it to the deeper variety. Differences in cultural methods have been noted among the leading growers who have been doing this begonia on a large scale, such thoughtful and experienced men as W. W. Edgar and Robert Craig entertaining opposite views as to the advisability of disbudding the flowering sprays during the period of growth. The principal difference between the two as compared now is that Mr. Edgar's plants, which were allowed to bloom naturally, are gracefully drooping, the masses of flowers hanging in profusion over the sides of the pot, while Mr. Craig's, which were pinched, are flowered in dense compact heads. Each of these forms being useful for special purposes, it might be desirable for the grower to provide himself with both. It would be a great pity to ruin the reputation of this plant by giving it any other treatment than that best calculated to encourage its good lasting qualities, so over forcing should be carefully avoided.

Red, red, is the universal demand now for Christmas plants. This fancy is growing and the proportion of red flowering or red foliaged plants called for by the public grows larger each year. Anything that will match nicely with the red of holly berries is eagerly seized and no florist need be afraid of getting too big a stock ahead in this line. Poinsettias, formerly grown mainly for cut purposes for which, however, their liability to wilt unfitted them, are now in big demand grown low and stocky in pots or in pans of from three to six specimens. Berried plants, such as solanums and ardisias, are enjoying a phenomenal sale this year, all the stock in hand with the big growers having been already disposed of. A new subject in this line has made its appearance. It is said to be a chance variety from seed of the Celestial pepper. It originated with Louis Schmutz, of Flatbush, N. Y., who has had no difficulty in disposing of a large stock at a good price.

Dracænas seem to be coming to the front again as acceptable holiday plants. Certainly there is no more lovely jardiniere plant than the old Dracæna terminalis well colored and with perfect leaves. As a companion rather than as a substitute the Lord Wolsley variety can be highly recommended. Its long, narrow and bright-margined leaves would long ago have made it indispensable were it not for the scarcity and consequent high price of the stock, which has prevented its general dissemination hitherto.

Azaleas for Christmas should be unusually good this season owing to the favorable weather for bringing them on. Simon Mardner is the best of all the reds for holiday purposes. It comes in easily without special forcing and the plants seen in bloom now are equal to the best Easter varieties. Vervæneana is by far the best of the early pink sorts and there is really but one white for the holiday season, Deutsche Perle, which is good enough for anybody. Cyclamens are receiving more attention from plantsmen than ever before. Seed selection has so developed the variegated foliaged types that these are now almost equal to the finest Rex begonias. While not much progress has been made in recent years in flower improvement it is yet true that the average of stock grown for commercial purposes is of a much finer type than was the case not long since. The so-called butterfly-flowered section has not given much satisfaction so far, the flowers being often imperfect and always soft and short-lived as compared with the old-fashioned kind.

A pretty little novelty, one of Sander's

late introductions, is Calamus cinnamomea, a small growing palm with foliage not unlike that of Areca lutescens. The young foliage is handsomely variegated with white, frequently flushed on the edges with soft pink.

A Cincinnati Carnation Exhibition.

Perhaps the most interesting of the small exhibitions of the year was that of the Cincinnati Florists' Society, held at the rooms of the society in the Jabez Elliott flower market, December 9. The rooms are admirably adapted for small displays of this character, being well lighted and easy of access. The society holds monthly exhibitions in connection with their meetings from November to April, inclusive, offering mostly cash prizes for cut blooms. At the close of the show the prize-winning exhibits are sold at auction for the benefit of the society, and as the stock is usually of the highest quality, good prices are the rule. Chrysanthemums were the special feature of the November exhibition and carnations the attraction of the December display.

Special interest attached to last week's exhibition for the opportunity of viewing the new kinds which it was expected to afford, the gold medal offered by Hon. J. R. McLean, publisher of the *Cincinnati Enquirer*, for the best seedling—to be exhibited twice—proving a considerable attraction to the experts. The show was in every way a success, all the new varieties now on the market being represented, except Mrs. Thos. W. Lawson and The Marquis. In addition many excellent seedlings were exhibited, among the more prominent of which were Enquirer (Witterstaetter), No. 11 (Weber & Sons), No. 666 (Dailledouze), Irene (Crabb & Hunter), Dorothy (Graves), etc.

The gold medal was won by R. Witterstaetter, of Sedamsville, O., with Enquirer, a fine pink variety which scored 92⅔ points. Enquirer had a close competitor in No. 11, from H. Weber & Sons, of Oakland, Md. The latter was a trifle the lightest in color, but so good in other respects that we imagine the judges had considerable difficulty in coming to the decision in which No. 11 scored 90 points. In addition to Enquirer and No. 11, the following varieties were awarded certificates: Ethel Crocker (Hill) pink; No. 115 (Weber & Sons) pink; Estelle (Witterstaetter) red; Olympia (May) variegated; No. 666 (Dailledouze) variegated; No. 518A (Witterstaetter) pink; and J. Whitcomb Riley (Dailledouze) variegated.

A number of other varieties were entered for certificates, including Irene (Crabb & Hunter) pink; California (Hill) yellow variegated; No. 51 (Walz); Elinore (Witterstaetter) white; and Dorothy (Graves) pink. It was unfortunate that the judges failed to score all the varieties entered for certificates, thus losing an opportunity to inform the trade as to the merits of the various exhibits in this class. At a business meeting of the society later in the day it was made evident that the members approved of scoring all new varieties entered for competition, and the secretary was instructed to inform the exhibitors that their productions would be scored if again submitted at some subsequent meeting.

The prize of $10 offered by the Glenny Glass Co. for the best vase of seedling carnations, any color, went to H. Weber & Sons for fifty blooms of Genevieve Lord. Prizes were awarded to Sunderbruch Sons for the best vases of commercial white, pink and variegated kinds, fifty blooms each, for Evelina, Wm. Scott and Mrs. Bradt respectively. With America Wm. Murphy secured first place for red.

All the varieties certificated are shown on the opposite page. In this connection it should be remembered that some of the flowers illustrated traveled hundreds of miles and were cut several days before the photographs were taken.

Four prizes for roses were distributed as follows: White, George & Allan, for Bride; pink, Sunderbruch Sons, Bridesmaid; red, George & Allan, Meteor; yellow, F. S. Walz, Marechal Niel.

At the close of the exhibition Pres. Wm. Murphy ascended the improvised rostrum and in short order disposed of the winning exhibits.



GEORGE WALKER.
A familiar figure at the exhibitions of the Cincinnati Florists' Society.

The judges were Theodore Bock, of Hamilton, O., George Corbett and Fred. Walz.

Visitors: Geo. F. Crabb, Grand Rapids, Mich., Wm. Walker, Louisville, Ky., Henry Dailledouze, Flatbush, N. Y., J. S. Wilson, Western Springs, Ill., E. G. Hill, J. A. Evans and Harry May, Richmond, Ind., H. Weber, Oakland, Md., Joseph R. Goldman, Middleton, O., E. H Giesy, Lockland, O., Mr. Brownstein, Covington, Ky.

CARNATIONS.

FORCING FOR CHRISTMAS.

Above all things do not attempt to force your carnations for Christmas; no matter what the condition of your crop, there is little to gain and everything to lose by forcing. I am speaking of forcing as meaning the employment of additional heat; a little extra heat, judiciously applied, may bring in a few extra dollars if it is started about December 18 and the temperature raised not over five degrees in the next two days, held at that for a few days and gradually lowered again. But even this is detrimental if not managed by a competent person.

Recently I visited a grower who had a full head of steam in his boiler, with the sun out bright and a house up to 90°; he told me he wanted to get an exceptionally fine crop of buds open for Christmas, but instead he was ruining what would have been as fine a cut as any grower could wish for; weak stems and soft flowers were even then beginning to show.

In contrast to this, I visited several of the best growers in the country and found their carnations in temperatures of from 45° to 50°, their plants the picture of health and the flowers heavy and well built, standing up like sentinels and, while not quite so plentiful as in the house first mentioned, they were worth more money to the square foot and a pleasure to handle, both for the grower and the buyer. These growers are as particular to have their houses at just the right temperature to produce good flowers as a rose grower is to avoid a crop of mildew, and therein lies the secret of their success.

Another thing that impressed me on these visits was that the most successful growers were following Prof. Arthur's line of thought in "Water, the Carnation's Greatest Need," and with excellent results. They of course do not keep their soil soggy with moisture, but it is not left to get very dry, in fact scarcely moderately dry. This, combined with the low temperature, seems to be just what most varieties need to attain perfection. I came home resolved to use a more liberal supply of water on my own stock, and already see an advantage. This system also requires an experienced hand and does not apply so well to varieties that are inclined to burst their calyxes.

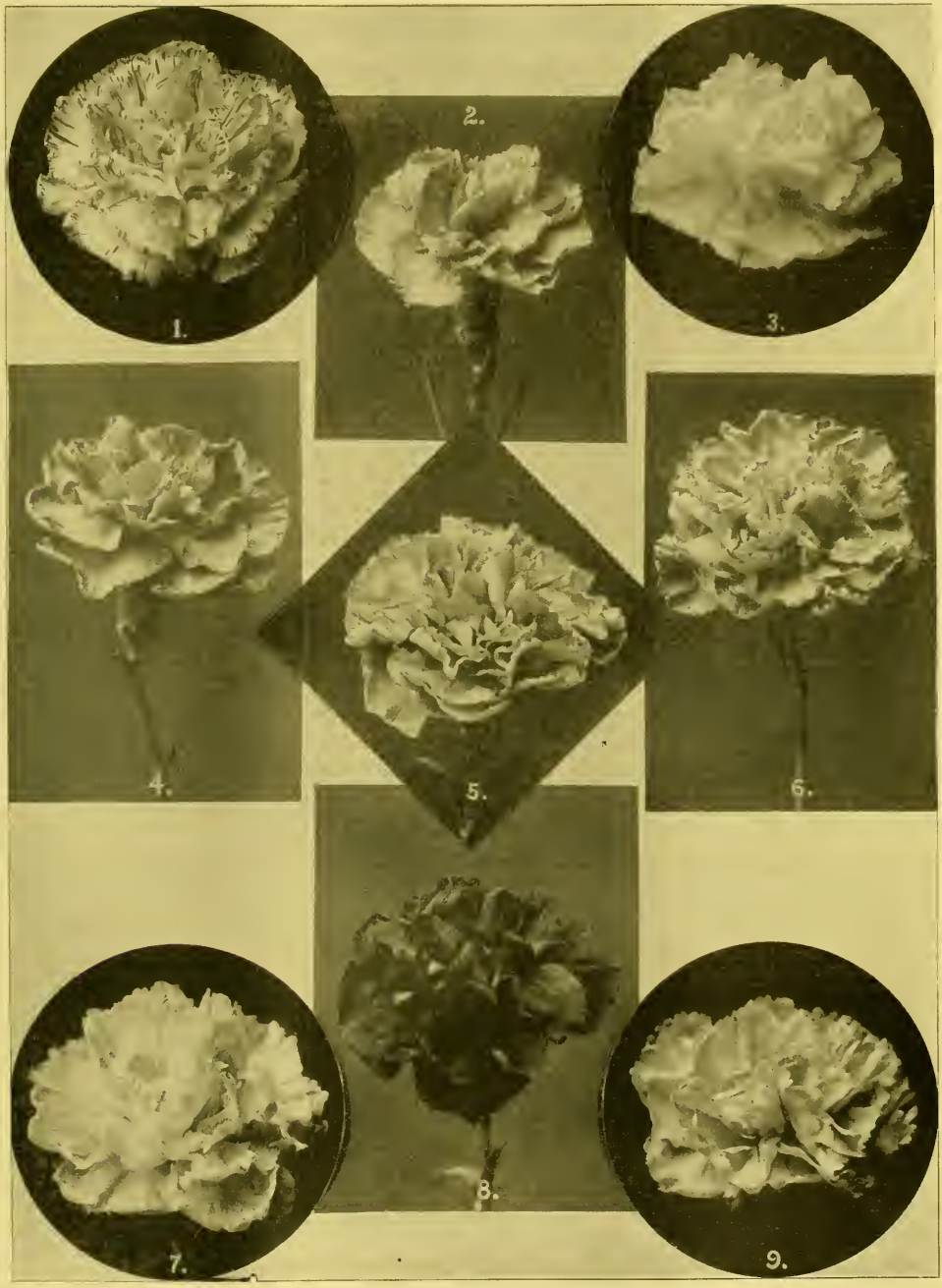
Where it is apparent that the plants will stand a little extra feeding, a very good method is to mix bone meal with an equal bulk of potting soil, let it lie for a week in a thin heap where it will not dry out, and turn once or twice. Whether or not this fills the mixture with microbes that assist in changing the bone into plant food I do not know, but I do know that this mixture put on a batch of carnations with well set beds about ten days before Christmas is far better for bringing them into marketable shape than any possible rise in the temperature. There is, however, great danger in this method of forcing unless you are thoroughly conversant with your soil, the wants of your plants and the bone meal used. A very little is all that is needed, in fact rather less of the mixture than if you used the pure bone, as the mixture is at once available for food and the pure bone is only partly available. The application must be followed by a good watering and not too high a temperature.

ALBERT M. HERR.

FREEPORT, ILL.—John Bauscher, Jr. now has about 30,000 feet of glass in operation, growing roses and carnations mainly, but also a stock of palms and house plants. He reports trade good.

CROMWELL, CONN.—The completion of A. N. Pierson's new range of eleven houses gives him 350,000 feet of glass. Eight of the new structures, which are all 300 feet long and built of iron, will be used for roses, two for carnations and one for asparagus.

SPENCER, MASS.—Among the fine old trees in this town are a chestnut with trunk circumference more than seventeen feet at three and one-half feet above the ground, a sturdy oak with a girth of fifteen feet and a white birch with a diameter of two and one-half feet.



CARNATIONS CERTIFICATED AT CINCINNATI DECEMBER 9.

1.—Olympia. 2.—Ethel Crocker. 3.—J. Whitcomb Riley. 4.—No. 518A. 5.—Enquirer. 6.—No. 115. 7.—No. 666. 8.—Estelle. 9.—No. 11

A House of Chrysanthemums.

The accompanying illustration shows a house of chrysanthemums grown by Gunnar Teilmann, Marion, Ind. The center bench is Major Bonnaffon and the side bench Ivory, white and pink. The former were propagated early and benched about the middle of June. They are grown with two or three stems to each plant, the object being to secure as many marketable blooms as possible from the limited space, nevertheless, blooms from this house won first premiums at the Chicago and St. Louis exhibitions. From the 358 square feet of bench space about 800 marketable blooms were cut, the first being ready October 20, two days before the photograph was taken. The average price was a good deal better than 10 cents per bloom, many of them wholesaling at Amling's in Chicago at from 20 cents to 30 cents each.

Rose Winnie Davis.

Nanz & Neuner, Louisville, Ky., have pleased the people of the Southland by christening their new rose "Winnie Davis" for the Daughter of the Confederacy. The rose was first shown at Richmond, Va., at the unveiling of the monument to the memory of Miss Davis and will not be offered for sale until next year. It is a cross between Kaiserin Augusta Victoria and Mme. Caroline Testout. In color it is salmon pink, shading to pure white at the base of the petals. The bud is long. A two-years' trial has convinced the originators that the seedling is hardy outdoors in the southern and middle states. It is of vigorous constitution and the illustration gives a fair idea of the beauty of its bloom.

New York.

ROUSING MEETING OF THE FLORISTS' CLUB.—OFFICERS ELECTED.—RESOLUTIONS OF SYMPATHY.—DISCUSSION OF CUSTOM HOUSE MATTERS.—PLANS FOR A DINNER.—COMMITTEE ON EXHIBITS REPORTS.—BUSINESS BOOMING.—WEIR A TRADE BAROMETER.—PROSPECTS FOR CHRISTMAS.—OLYMPIA A VISION.—TAYLOR BREAKS A LEG.—VARIOUS JOTTINGS.

One of the best attended meetings ever held by the New York Florists' Club was that of Monday evening, December 11. About sixty of the solid men of New York floriculture were present and an atmosphere of contagious good-fellowship prevailed that could not but deeply impress every friend of the club and augured well for the enthusiasm that is expected to carry the convention preparations to a grandly successful issue. A splendid exhibition of carnation flowers and cyclamen plants filled the center of the room. Philip Breitmeyer, of Detroit, Vice-president of the Society of American Florists, was present and received a very hearty welcome. Officers for 1900 were elected as follows: President, Patrick O'Mara; vice-president, A. Herrington; secretary, John Young; treasurer, C. B. Weathered; trustees for two years, Wm. Plumb, John N. May and W. A. Manda. Messrs. O'Mara, Weathered and Siebrecht, as instructed at the previous meeting, presented resolutions on the death of Wm. H. Brower, as follows:

WHEREAS: After a long, useful and honored life, the late Wm. H. Brower was called away by the Great Creator, we the members of the New York Florists' Club believe it to be our duty to express to his son, Wm. I. Brower, and the rest of his family our deep and lasting sympathy in their sorrow. We knew him in life as an affable gentleman; we honor his memory as one of the pioneers of the flower trade in New York City, one who showed its possibilities, who had the confidence and esteem of business associates and patrons, in every respect a credit to our business, and be it

Resolved, that we spread the above on our minutes in full and send a copy to our friend and fellow-member, Wm. I. Brower.

Resolutions of the same nature were also presented and adopted regarding the death of Mrs. John Morris and Mrs. J. H. Taylor.

Quite a discussion was precipitated by the presentation by F. W. Kelsey of resolutions looking to action by the club for the abatement of annoyances and delays which plant and bulb importers are subjected to in the Custom House but, it being explained by Mr. O'Mara, who is chairman of the committee in charge of such matters for the S. A. F. and the N. Y. club, that the committee are attending to the matter and expect a conference with a similar committee representing the nurserymen's association at a later date with a view to co-operation, no decisive action was taken. Mr. O'Mara further explained that vague or general complaints of trouble do no good and that if parties wish to secure effective action they must in all cases of complaint furnish definite details and dates of transations; with such data in hand the committee can accomplish something. Messrs. J. N. May, W. F. Sheridan and C. B. Weathered were appointed a committee to arrange for the annual dinner of the club and instructed to fix the date of same to correspond with the time of the session of the S. A. F. executive committee, which it is understood will take place here in January. Messrs. H. A. Siebrecht, J. W. Withers, W. F. Sheridan, E. G. Asmus and F. L. Atkins were appointed a committee to care for subscriptions from the florist trade for the permanent Dewey Arch. Four new names were presented for club membership.

The exhibition committee made a report regarding the display of flowers and plants on this occasion, recommending for carnation Gov. Roosevelt shown by C. W. Ward, a certificate of merit and highly commending a group of seedlings from the same grower; for a seedling from Dailledouze Bros., a certificate and highly commending the varieties J. Whitcomb Riley and Lulu Fisher; for cyclamen plants from Lehnig & Winnifeld cultural commendation. The paplio-flowered form was included in this group and attracted much notice. Mr. Ward told of a visit to the greenhouses of Dailledouze Bros. and on his recommendation, as a representative of the judging committee, a certificate of merit was awarded, in accordance with previous recommendation, to their carnation No. 666, of which a superb display was made at this meeting.

Formal business being finished the entertainment committee took charge of the proceedings and two hours of social enjoyment followed. Mr. Cleary officiated at the piano and furnished accompaniment for songs by Messrs. Dimmock, Plumb, Butterfield, Wallace, Stewart and Bernie. Sam'l Henshaw contributed remarks on social customs and the usefulness of the kodak in Porto Rico as observed in his recent visit to that island and his auditors have hardly got through laughing yet. If any of them should be missing in the near future it will be easy to tell where they have gone and why. A very pretty little speech was made by Papa Zeller, who, in reply to a question, stated that the famous old DeGraw carnation was an American seedling introduced by Dailledouze & Co. and Zeller.

Business has been humming during the past week, although at present writing there seems to be a temporary lull in the steady pull that has brought so much gratification to all branches of the business excepting those whose best hold is dependent upon a condition of surplus. "Johnnie" Weir's demeanor under present conditions is a study. A downcast, dejected look on his face is unimpeachable testimony that his favorite commission man has just lost a grower, but the accession of a new grower makes him as sprightly as a four-year-old. If he can only create a diversion now that will bring about a brief era of good nature in Twenty-eighth street while he is making his purchases and the occurrence of such little curtain-raisers as the devouring of a dollar bill by J. K. Allen's pet office dog is a veritable god-send to him. Just at present he is feeling somewhat quizzical over the departure of James Weir on a holly collecting expedition to the south, carrying with him a gun and two dogs. The uninitiated reader may wonder what all this has to do with the cut flower trade of the metropolis but let him feel assured that "Johnnie" Weir is a very potent factor in the situation at all seasons, as every New Yorker knows. The



HOUSE OF CHRYSANTHEMUMS AT GUNNAR TEILMANN'S

price of American Beauties now and for the holidays is a fruitful theme for discussion and takes precedence of all other questions wherever three or more may gather. Judging from the general appearance of the rose houses in this vicinity the supply of American Beauty or anything else is not likely to be burdensome at Christmas but it will be well to take the plant grower into consideration in deciding just how much premium can with safety be piled on to the ordinary price of cut flowers during the coming fortnight.

John N. May has house after house of Olympia carnations that will be in superb form for Christmas. They are in superb form now, indeed, and to the visitor will prove a revelation in the possibilities of carnation culture. And there is no trouble with the stems either. All through Mr. May's place the same story is true; roses and carnations from first to last are excellent and their owner can congratulate himself with entire safety on the prospect of being right on top for the rest of the season. A bench of handsome Bon Silene roses here looks very cheering and awakens interesting reminiscences in the breast of the "old fellow" as he admires them. Stranger things have happened than that these old favorites should yet have another season of popularity. A nice lot of Cherokee roses also is full of suggestions as to the future.

John H. Taylor was so unfortunate as to break his leg by a misstep in alighting from his carriage recently. A committee consisting of Messrs. Nash, Siebrecht, Dailledouze, Dean and Burns has been designated to visit him and carry condolence and cheerfulness on behalf of the Florists' Club.

The Florists' Board of Trade has presented the club with a neatly framed photograph of the group of visitors at the Detroit convention of the Society of American Florists.

W. H. Siebrecht has a superb lot of bulb flowers just in shape for holiday trade, a novelty in this line, for the early date, being good trumpet narcissi.

A. Warendorf has opened a new store at Seventy-sixth street and Columbus avenue.

Fleischman's window displays a beautiful arrangement of birch bark and green foliage.

Longiflorum lilies are unusually good for the season.

Cypripediums are piling up fast.



ROSE WINNIE DAVIS.

Chicago.

STATE OF THE MARKET.—VERY HEAVY DEMAND AND A SCARCITY ON MANY ITEMS. —PROSPECTS FOR CHRISTMAS. — BIG ORDERS PLACED EARLY.—SUN IS GREATLY NEEDED.—AMLING TO MOVE TO LARGER QUARTERS.— FLOWERING PLANTS NOT PLENTIFUL.— JOHNSON'S SUCCESSOR. — IRENE IN FAVOR.—PERSONAL JOTTINGS OF INTEREST.—DOINGS HERE AND THERE.

Business has been reasonably brisk all this week and the market has held firm on nearly all lines, with slight advances here and there despite the fact that qualities have deteriorated slightly because of dark weather. Growers and wholesalers are near akin to the sun worshippers of old. The sun is what is wanted more than all things else to make the approaching Christmas the greatest on record. Advance orders were never so heavy and several big dealers are already sold up to the danger line and are refusing to promise anything further and in some cases are even declining to quote on big orders, several of which are in the market and as yet unplaced. One house has an order amounting to $700 for December 22 and 23. But all this apprehension will be for naught if the sun shines brightly next week, for almost every rose grower has a good cut nearly within reach and the carnation plants are loaded with buds which only require the light to be ready in fine form. The indications are that roses and carnations will be in equal supply. If the weather is bright and warm for the next few days all advance orders will be filled, but if it is dull and stormy the shortage of stock will be considerable, for at present the demand exceeds the supply on many items, good stock, in fact, of many kinds being exceedingly hard to find after the shipping orders have been picked out. Beauties are in particular demand and very scarce. All the commission men are beseeching their growers not to pickle stock and to aim to have the big shipments in on Saturday rather than on Monday.

E. C. Amling will move into larger quarters on January 1, having leased the commodious basement of the Trude Building at the southwest corner of Wabash avenue and Randolph street. The departure from 51 Wabash is necessitated by the pressure of increasing business and the change will put Mr. Amling in a position to take care of anything which may come his way. The new quarters are large, light, airy, have tiled floors and are better finished than any rooms heretofore occupied by a Chicago wholesaler. Mr. Amling has been in the field for four years and in that time has made no inconsiderable impression on the market. He has followed the strictest business principles and has been successful in attracting several of the best growers consigning to this city. For upwards of two years Walter S. Heffron has assisted in the management of the business and it is due in no small measure to his popularity and indefatigability that the patronage of the house warrants the present step. The new rooms will be fitted up in first-class style, the old fixtures and lease having been acquired by another member of the trade, a fact which indicates an early change in the personnel of the wholesale district.

The stock of flowering plants for Christmas is not adequate to the needs of this market, although several growers had something available, and the buyers will not have the opportunity to discriminate against cut flowers as they have been manifesting a tendency to do in the east. About the best thing in this line was the 500 or so plants of Cyclamen persicum giganteum from Mount Greenwood, which were in prime condition and were easily placed, most of them going to Wienhoeber. Friedman also secured 300

cypripediums from the same establishment. Poinsettias are the most numerous of the Christmas plants and are in stock with most of the retailers. There are otaheite orange trees in abundance and some azaleas, but these latter are not up to the usual standard. Wittbold and the smaller palm men have been experiencing a brisk sale for their product.

Thos. G. Williams has been appointed successor to C. W. Johnson at the Mt. Greenwood Cemetery. Mr. Williams has been foreman at the well known establishments of S. C. Nash, Clifton, N. J., A. L. Thorne and the John Henderson Co., Flushing, N. Y. Mr. Johnson and family are now at sea, having sailed from New York on Wednesday on the St. Louis.

Crabb & Hunter are sending their new carnation, Irene, to Kennicotts and it has been bringing 5 cents this week. It is understood that the stock is being worked up preparatory to dissemination next year. It has strong fragrance in addition to the necessary color, stem, calyx, size and freedom of bloom.

A few lots of Liberty from Robert Scott & Son, Sharon Hill, Pa., have found their way into the hands of retailers here and have been well received by the consumers.

Ambrose Martell, a former Springfield and Peoria florist, who had achieved much notoriety, was sent to the Cook County Insane Hospital on December 7.

A. L. Randall is the consignee for the production of ninety-eight 100-foot houses within a half mile of each other at Bowmanville, and the owners are all good growers, too.

Violet boxes are in favor and all the retailers have good assortments of them for Christmas.

Will Kyle, of Kennicotts, is suffering with his annual holiday complaint.

Phil. Hauswirth went to Philadelphia last Monday but will return to-day.

E. E. Pieser spent last Sunday with friends at Grand Rapids.

Visitors: H. Dailledouze, Flatbush, N. Y.; H. C. Ostertag, of Ostertag Bros., St. Louis.

Boston.

LULL IN CITY TRADE.—EVERY ONE SANGUINE AS TO CHRISTMAS.—PLANTSMEN ARE HAPPY.—A QUESTION OF POLICY.—ANNIVERSARY AT EDGAR'S.—WOODEN WARE AND MERRIMENT.—MOTTOES AND CHEER IN THE POTTING SHED.—ORCHIDS AT HORTICULTURAL HALL.—AN EXPLOSION, A DINNER, AN ELECTION AND VISITORS.

City trade is less active this week, customers apparently holding off in preparation for the holiday season, as has been the experience every year. Among the various departments of the trade there is an air of expectancy and confidence that is very gratifying. No one doubts that the holiday trade will be equal if not go ahead of the record and are making preparations accordingly. In the cut flower line the principal solicitude is in regard to violets, which have suffered severely in the warm fall season and are in bad shape in this vicinity. The rose growers have endeavored to stiffen up the price of American Beauty because Christmas was coming, but a revolt has been detected and the outcome is problematical. The plantsmen are supremely happy. Everything in the way of a presentable Christmas plant has been bonded and the late-comer is informed that he is too late. The question comes up, in this connection, of the wisdom of letting the Gloire de Lorraine begonia out at all before the holidays. Specimens in the stores and elsewhere that have been working for a couple of weeks look rather dilapidated and it does the plant's reputation no good. It stands as well as and better than most flowering plants but is not made of china or iron and the conditions in most dwellings and stores are fatal to anything else. Next week will be a busy one everywhere, of that all are satisfied.

The crowning social event of the season took place on Tuesday evening, at Waverly, in commemoration of the fifth anniversary of the wedding of Wm. Edgar and incidentally to celebrate fittingly that gentleman's success with Gloire de Lorraine. The invitation cards were accompanied by a coat of arms, which we herewith present as indicating the literary trend of all Boston events. Like all heraldic devices, this interesting



W. W. EDGAR'S COAT OF ARMS.

coat of arms is reminiscent rather than applicable to present conditions, for, unlike the original "pansy punch" occasion five years ago, which it commemorates, the affair this time was graced by the presence of the ladies. So that famous beverage having, like its introducer, become subdued by the mellowing processes of time, it is to be understood that the rolling-pin has been relegated to its place in the pantry and the lightning flash has ceased to disturb the midnight serenity of Waverly, Winchester, Dorchester, Waltham and other suburbs of the Hub. The boys did have a glorious time, however. They sent in advance a wagon load of tables, rolling pins, snow shovels, saw horses and other wooden ware appropriate to the occasion and when they reached Mr. Edgar's home they found the big potting shed transformed into a "salon" of most pretentious furnishings. Lanterns and bunting were profuse and two long, well loaded tables gave promise of hospitable fare. On the walls mottoes indicative of Boston culture were displayed, one of which will suffice for example. Here it is, a clipping from Romeo and Juliet, Act II, Scene III.

"Care keeps his watch in every florist's eye;
Where care lodges sleep will never lie.
Where the poor florist with cares upon his mind
Doth couch his limbs, there golden sleep doth find.
Therefore your pleasure we can now assure
Regardless of the outside temperature."

A tour of admiration through the greenhouses was followed by a most enjoyable social time around the tables and the punch bowl, Edward Hatch officiating as chairman. Among the notable events of the evening were P. Welch's response on behalf of the ladies and the songs by Messrs. Walter Mott, Warren Ewell and the graphophone in the corner. Mr. and Mrs. Edgar did everything in their power to entertain their friends and the event will long be remembered. May they live to celebrate many such anniversaries.

At Horticultural Hall, December 9, J. E. Rothwell and Mrs. J. L. Gardner showed a number of fine orchids, most of the first prizes falling to Mr. Rothwell. Certificates of merit were awarded to Oakes Ames for Cypripedium insigne var. citrinum and Cypripedium Deedmannianum, a cross between C. Spicerianum and C. Chamberlainianum.

On the morning of December 11 an explosion wrecked the building on Boylston street in which is located the store of the Calder Floral Co., Mr. Calder being one of the heaviest losers.

On the evening of December 7 the Boston Market Gardeners' Association enjoyed their thirteenth annual dinner at the Quincy House, W. W. Rawson presiding.

The recent election in Boston should be gratifying to the florists, for Mayor-elect Hart was one of the best friends the local club had at the time of the S. A. F. convention here in 1890.

Recent visitors: C. W. Ward, Queens, N. Y.; T. J. Johnston, Providence, R. I.; Walter Mott, Philadelphia; Robt. Johnston and Robt. Laurie, Newport, R. I., and A. M. Rennie, formerly of Providence but now on his honeymoon.

Philadelphia.

CONDITION OF TRADE.—A RUSH FOLLOWED BY A BREATHING SPELL.—INDICATIONS OF A BIG HOLIDAY BUSINESS.—PRICES ON THE JUMP.—FAIR SUPPLY IN SIGHT.—STOCK OF GOOD QUALITY.—PLANTS AT CRAIGS'.—CRAWFORD HAS A HORSELESS WAGON.—LONSDALE PRAISES GLOIRE DE LORRAINE.—A SCOTT IN QUAKERTOWN.—VISITORS AND NOTES.

Last week was one of the best of the season so far; the debutants' teas were crowded together and it took all the good roses the growers could send in to supply the demand. Things are quieter this week and perhaps it's just as well, as it gives the dealers a chance to get their stock in order for Christmas and arrange their stores for next week's rush. Prices have advanced above last week; one more step and they will have reached the position from which the final grand leap is made. Beauties are now $2.50 to $6 per dozen, about $1.50 per foot of stem. Teas are $8 to $10 with a few extras at $12. Carnations are $2 to $6, the majority going for $2.50 per hundred. Violets bring $1 to $2 for the doubles and 75 cents to $1 for good Californias. Mignonette is now fine at $4. Lily of the valley is $3 to $5, Romans and narcissi $3 to $4. Cypripediums are not very plentiful at 15 cents.

The prospects for a good supply of flowers for next week are considered very fair by growers who are generally to be depended on, although some say that the past two weeks of mild weather have brought out a lot of flowers that with a colder temperature would have held until Christmas. If the conditions are favorable, however, from now on it is thought the supply will go as far toward meeting the demand as in former years. Prices were a shade higher, perhaps, one firm of Beauty growers saying that their specials will have to bring $18 per dozen where they were satisfied last season with $15. They say they are a shade bet-

ter than last season and they think they can get the advance. Carnations will probably also range a trifle higher for the special stock, as it promises to be finer than ever. Even now carnations are coming in wide open and of extra size and the houses are said to be a blaze of color.

Robert Craig grew 1200 plants of Gloire de Lorraine for the holiday trade. They are all gone and he could have sold as many more. He has been training a lot of low, bushy-shaped branching rubbers as a feeler to see how this form will take among the buyers. They are certainly more attractive looking than the tall, ungainly specimens too often seen. Mr. Craig has rebuilt five houses this fall and reports the biggest business in the history of his establishment.

Robert Crawford's name is now uppermost as the topic of the hour and his new automobile is anxiously looked for. It will probably be on the street Saturday. Well, Eleventh street is looking up, surely! A real live florists' horseless wagon, the first of its kind in this city. Robert may well be proud. They come high but a little thing like a couple of thousand or so is not allowed to stand in the way of this pioneer. He has blazed the way and no doubt others will follow.

Edwin Lonsdale is proud of his Begonia Gloire de Lorraine. He has made begonias a study for a number of years past but says he is now convinced that there is only one begonia. It is, he says, not a century plant, but the plant of the century. He predicts a great future for it.

David Scott, of Buffalo, a son of William, is now a resident of Philadelphia, having connected himself with the Craig nurseries at Forty-ninth and Market streets. In his leisure hours he will doubtless show the boys a thing or two on the alleys, in which department of sport he is an adept. His brother William was in town last week as was also Phil. Hauswirth, of Chicago, who stopped off for a few hours on his way to Washington.

Smith & Whitely have dissolved partnership. The greenhouse and store business will be continued by Mr. Whitely.

K.

Cincinnati.

CHRISTMAS TRADE PROSPECTS. — ROSES AND CARNATIONS IN SHORT SUPPLY.—HARRISII NOW IN.—FLORISTS' SOCIETY MEETS.—COMING MEETINGS AND EXHIBITIONS.—TRIP TO INDIANA POINTS.—VISITORS.

Orders are received daily at the wholesale houses with large demand for carnations and roses. For Christmas bulbous stock such as hyacinths, narcissi and lily of the valley will at least be sufficiently plentiful to supply the demand. Carnations will be short, also roses. Lilium Harrisii is in and quoted from 12½ to 15, with good demand, but there is only a very small quantity of them. Violets will be short to the extent of about fifty per cent. Holly has a normal position while lycopodium is in brisk demand.

Routine business was transacted at the regular meeting of the Florists' Society December 9. Two new members were elected. The date of annual meeting and election of officers was changed from January to June, the present officials to retain their respective positions until the latter month. The carnation exhibition held in connection with this meeting, full details of which appear elsewhere in this issue, was very successful. The special exhibition features of later meetings are as follows: January 10, violets; February 10, roses; March 10, carnations; April 21, bulbous and market plants. Prize lists and full particulars may be had on application to the secretary, George S. Bartlett, 34 Main street.

A party, including Wm. Murphy and brothers, the Sunderbruch brothers and Messrs. Bartlett, Rodgers, Giesy, Bock, Gillett, Adrian, Schumann, Windrum and Jackson, left on Wednesday for a visit to Indiana points of interest, including Lafayette, Indianapolis and Richmond, and reports an enjoyable trip.

Visitors: Fred. H. Lemon, of E. G. Hill & Co., Richmond, Ind.; Wm. P. Craig, of Robt. Craig & Son, Philadelphia.

H. SCHWARZ.

St. Paul.

BEST THANKSGIVING TRADE ON RECORD.—FINE PROSPECTS FOR CHRISTMAS.—PROSPECT FOR A SHORTAGE.—CHRYSANTHEMUMS MADE A GOOD RECORD.—COAL IS HIGH.—VISITORS.

Although it is rather late to report on Thanksgiving trade, we cannot let this opportunity pass without offering thanks for the best trade ever known for this holiday. Violets were very scarce, roses in fair supply, carnations fairly plentiful, chrysanthemums quite abundant and the demand for all exceeding the supply. Prices were higher than ever before at Thanksgiving, and both grower and retailer shared in the general prosperity. There is a good crop of buds now coming on, which should make a good cut for Christmas, but if the dark weather continues good blooms are apt to be scarce. All of the large retail stores are using greens more extensively than ever, the general favorite being lycopodium for festooning. While it may be too early to predict Christmas trade, all indications point to an unusually good demand for all flowers, while advance orders for greens are heavy and a shortage at the last moment would not be surprising.

Chrysanthemums are gone, unless some of the growers have a supply hidden away for the holidays. While their quality has hardly been up to the average of former seasons, owing to the hot October weather, they have sold at good prices and have been profitable alike to the grower and the retailer.

The mild weather still remains and, with soft coal at $5.50 per ton against $3.10 last year, is a subject for congratulations on the part of the growers.

Wm. Scott, who but recently returned from the Klondike, has set out again for those Elysian fields.

Recent callers were J. McHutchison, representing Aug. Rhotert, of New York, and Mr. Currie, of Milwaukee.

FELIX.

Richmond, Ind.

There is now much to interest visitors at the establishment of E. G. Hill & Co. Many of the seedling carnations are coming into bloom, and already there is promise of much new material of first quality. Ethel Crocker looks well, producing flowers of good size and color very freely. Olympia as seen here is certainly leader in its class. Mr. Hill has a high opinion of California Gold, one of Sievers' varieties. This is a variegated yellow and as it blooms very freely, will doubtless meet with considerable demand where there is a market for new and striking colors.

Numerous new roses (Mr. Hill's own productions) will render a good account of themselves later in the season. At the time of our visit several interesting European varieties were in bloom, the most meritorious being Sunrise, of the same general character as Perle and Sunset, producing flowers of a most attractive but indescribable new shade in great profusion. This variety will prove a great acquisition for forcing as well as for outdoor culture. Queen Olga of Greece (Paul) appears to contain some China blood, with flowers of a reddish pink shade; free in growth and bloom, and good for general bedding purposes. Exquisite (Paul) is a very fine large-flowered hybrid tea having the proportions of the hybrid perpetuals. In England we presume this rose is very fine, but under our hot sun, indoors and out, the blooms are of a slaty purple color of no value.

Scarcely a day passes in which some prominent personage of the trade does not put in an appearance here. In the past week the visitors included Henry Dailledouze, of Dailledouze Bros., Flatbush, N. Y., Wm. Walker, Louisville, Ky., J. S. Wilson, of Vaughan's Greenhouses, Western Springs, Ill., Wm. P. Craig, of Robt. Craig & Son, Philadelphia, Robt. George, of Storrs & Harrison Co., Painesville, O., and from Cincinnati and vicinity, Wm. Murphy and brothers, the Sunderbruch brothers and Messrs. Bartlett, Rodgers, Giesy, Bock, Gillett, Adrian, Schumann, Windrum and Jackson.

Scranton, Pa.

The prospect for a good Christmas trade is very bright with the Scranton florists. The good times that the rest of the country have been enjoying are just reaching Scranton. The opinions of the drummers of all lines on the prosperity in different sections of the city is a pretty safe barometer on industrial conditions and the men with the carpet bags say that Scranton is the last city to feel the hard times and the last city to feel the good times. Just now the herald of activity is in the air. Stock is good. The growers on the Kingston flats are cutting some extra fine roses and carnations. Poinsettias will not be plentiful, but there will be some fine ones. Chrysanthemums will nod their last farewell on Christmas day. Holiday greens from the south will be plentiful, as well as our native greens, which abound in this section. In plants a few nice azaleas will be in. Roman hyacinths, narcissi in 5-inch pots, with a fewforsythias, will be the principal blooming plants, besides cyclamens and primroses. The genial Mott and the persevering Skidelsky have supplied most of the boys with a fine lot of palms and other foliage plants for the festive season. The annual Bachelors' Ball on December 29 will be the most noteworthy social event and the decorations at this are always quite elaborate. St. Peter's Catholic church will be extensively decorated for Christmas.

G. R. CLARK.

W. & T. SMITH Co. report that the nursery trade in Geneva, N. Y., has been larger this fall than for several years past. In fact, all the nurserymen have had more orders than they could fill and at greatly increased prices. The outlook for spring is certainly flattering, the only drawback to the business being the small amount of stock with which to fill orders. Roses, clematis and ornamentals are in great demand and it seems as though the nursery business was getting its share of the general prosperity.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

THERE is plenty of poor holly and low priced bouquet green on the market.

OUR Australian friends are turning out some exceedingly attractive chrysanthemum seedlings.

WHILE the price of iron and glass may fluctuate and fall, that of lumber is likely to remain firm or advance.

THE demand for many kinds of begonias, particularly Rex sorts and Gloire de Lorraine, continues unabated.

SPECIMENS of a dahlia have been produced by E. J. Lowe, showing distinct evidence of a real helianthus cross.

CLEARY must look to his laurels; the eloquence of Murphy, of Ohio, makes him a dangerous rival in the auctioneering business.

IT is estimated that in England 1100 acres are covered by commercial greenhouses, but of this only 350 acres is devoted to flowers, the rest to fruits and vegetables.

THE Illinois Central is the latest recruit to the ranks of the railroads which will embellish their station grounds with flowers. Greenhouses will shortly be erected in some Illinois town.

CHRYSANTHEMUM Mrs. Alfred Tate, an English sport from Etoile de Lyon, is an excellent example of the short, flat-petalled section. It is large, very symmetrical and brownish-orange in color.

JOHN C. MEYER & Co., silkaline manufacturers, formerly located at 87 Summer street, Boston, Mass., on January 1 will remove to much larger and more convenient quarters at No. 80-86 Kingston street of the same city.

THE manufacturing potters of the Western Association have decided upon a rise of ten per cent in prices of plain wares to take effect January 1. The increase on decorated wares will be determined by a committee

AMONG the new French and German roses for 1899 we note the following charming names: Docteur Eugene Teixeira Leita, Joao Borges Vieira and Palmengarten-Director Siebert. What would our commission men do to those names if they came in on a consignment slip?

TWO scholarships will be awarded by the director of the Missouri Botanical Garden, prior to the first of April next. Young gardeners and florists who are interested, and not over twenty years of age, may obtain full particulars on application to Prof. Wm. Trelease, Missouri Botanical Garden, St. Louis, Mo.

Greenhouse Building.

Mansfield, O.—Berno Floral Co., carnation house 16x180.

Columbia, S. C.—A. Stark, Jr., two houses 17x100.

Islip, N. Y.—H. G. Timmerman, addition to range.

Hartford, Conn.—Stephen Delbar, one house.

The Chrysanthemum Committees.

New York, December 9.—Nathan Smith & Son, Adrian, Mich., exhibited Superba, a silvery pink Japanese incurved, which scored commercial scale 90 points.

Chicago, December 9.—Superba before this committee scored commercial scale 89 points.

Philadelphia, December 9.— Superba before this committee scored commercial scale 90 points.

ELMER D. SMITH, Sec'y.

American Rose Society.

Secretary Paul M. Pierson, Scarborough, N. Y., is distributing the preliminary premium list of the approaching exhibitions of the rejuvenated American Rose Society, the first to be held at the Eden Musee, on Twenty-third street, New York, on March 27, 28 and 29, 1900, to be followed by a June show, the date and location of which are yet to be determined. The announcement is made that, although the preliminary list is large enough to secure the finest rose show which this country has ever seen, many additional special prizes are assured to lend additional attractiveness to the emoluments for exhibitors.

It has been deemed wise to divide the list into classes open to all, open to establishments where not more than 20,000 feet of glass is devoted to roses, and open only to private gardeners and amateurs. In the several sections cash prizes aggregating $1164.50 are offered for the March exhibition, these supplemented by no less than six silver cups valued at $225, certificates, etc. Already the June show is assured of $246 in money premiums and four silver cups. A gold and a silver medal have been offered by the New York Florists' Club the conditions of the competition for which will be announced in the final schedule.

It is gratifying to every one interested in the advancement of the rose that the aid to the society and its first exhibitions is so generous from all quarters. There can be no shadow of doubt as to the value of this movement to the florist trade and that awakened interest assures success is a matter for particular felicitation among commercial growers.

Price of Glass Comes Down.

The American Window Glass Company has announced a cut in the price of glass of thirty-three and one-third per cent. This is most welcome news to greenhouse men, who have been suffering under the exorbitant charges of the combine, and is all the more encouraging in that leading jobbers believe that reasonable prices will prevail from this time on, at least until the demand shall have neared the point of the possible production for the season now approaching.

"There are no greenhouse sizes now available in quantity," said Frank Hayes, of the H. M. Hooker Co., when interrogated in the matter, "but such small lots as are in the jobbers' hands may be obtained at prices which appear very reasonable in comparison with the rates prevailing during the past year.

"The American Window Glass Company states that in 1899 its factories cut ten times as much greenhouse glass as in 1898, which in a measure accounts for the rise of fifty per cent in prices and easily explains the depleted state of the market, which is such that the independent factories have not yet accepted the reduction made by the combine. The present cut in prices was doubtless due to the effect of the large production of these independent factories, amounting to about forty per cent of the total output, and the prospects are that the lower prices will hold unless the demand exceeds the possibilities of production, for the outside concerns are believed to have more than their due proportion of the blowers.

"The American Window Glass Company has ordered the fires started in all its factories, preparatory to resuming operations January 1, and, although the season will be short, it is probable that enough glass can be turned out in six months to afford all the greenhouse sizes which will be required next year. There are now in this country 2800 pots but not more than 2200 blowers, so that at least 600 pots must lie idle; with a majority of these idle pots within the combine the indications are that the causes leading to the reduction will hold the prices down unless there comes an unprecedented demand.

"The indications point to large building operations among florists all over the country and since the telegraphic reports of the cut in price all jobbers have received numerous requests for prices for both immediate and future delivery. It will be impossible to make shipments of large lots until toward the middle of January."

The Substitution of Soda for Potash.

Anent the discussion of this subject, the following extracts from a report of Sir J. B. Lawes and Sir J. H. Gilbert in the "Proceedings of the Royal Horticultural Society 1899," (English) should be of interest:

If potash be liberally available, the produce is much more stemmy, and the amount of soda, of lime, and to some extent of magnesia, will be less, relatively, to the potash. In defect of sufficient potash, on the other hand, more of soda, or of lime, or of both, will be taken up and retained; but the herbage will at the same time be more leafy and immature. That is to say, the constituents are not mutually replaceable in the processes of growth, but accordingly as the one or the other predominates, so will the product of growth be different.

The report above noted deals with the results of experiments which have been carried on continuously for forty-four years.

Red Forms of Primula Obconica.

Primula obconica, introduced from China into our gardens at a relatively recent time, has largely and rapidly changed in character from the original. In 1892 the *Revue Horticole* published a description of its first improvements. In 1897 one of its editors, who was mentioning some of the newer and more important varieties, was not able to explain this progress, particularly the increase in the size of the bloom, except by attributing it to the influence of the pollen of the large Chinese primrose.

Extraordinary as it may seem, this hypothesis does not correspond to the

real facts. The numerous varieties produced under the care of Verrieres are all selections from variations of the original plant. All attempts at the hybridization of P. obconica with the Chinese primrose, as with garden primroses, have so far remained without results. Hardly was P obconica known before my father predicted the quality and future of this plant. He foresaw a rival of the Chinese primrose and was continually seeking with unceasing interest for its perfect development. If death had not so soon claimed him, it is he who should to-day have had the honor of presenting to the readers of the *Revue* the latest progress realized in the amelioration of this beautiful species.

The new, large, scarlet variety marked with purple, if I may so speak, is the commencement of a new era in the evolution of P. obconica. We were already far from the original type; the plant, having lost none of its hardiness nor of its profuseness of bloom, had produced larger and still larger flowers, sometimes fringed or fimbriated on the edges, and variable in color from rose to pure white. It now appears to move in a contrary direction, that is to say, towards the darker tints of its primitive color. Without being too presumptuous, we anticipate that in the near future it will be able to hold its own with the Chinese primrose. It has already the advantage over the latter of being more healthful, more hardy and floriferous, carrying its clusters of bloom on longer stems, with the foliage better separated.

What more could we unless except in the size of the flower and the variety of its hues, two desiderata to which an intelligent selection brings it nearer every day.—*Philippe—L. de Vilmorin in the Revue Horticole.*

[The above article is accompanied by a colored plate of a handsome deep red variety of P. obconica.—Ed.]

Catalogues and Cut Flower Price Lists Received.

Ostertag Bros., St. Louis, Mo., prepared palms; Hammond's Paint and Slug Shot Works, Fishkill-on-the-Hudson, N. Y., insecticide; Henry F. Michell, Philadelphia, Pa., flower seeds; W. W. Barnard & Co., Chicago, Ill., Christmas decorations; Archias Seed Store, Sedalia, Mo., Christmas decorations; Holton & Hunkel Co., Milwaukee, Wis., Christmas decorations; J. H. H. Boyd, Gage, Tenn., trees and seedlings; S. T. Danley, Macomb, Ill , plants; John C. Meyer & Co., Boston, Mass., florists' thread; Herb & Wulle, Naples, Italy, seeds; 164th Exposition Horticole, Ghent, Belgium, plants; Jacques Hasslach, Nimes, France, seeds; C. A. Kuehn, St. Louis, Mo., cut flowers and florists' supplies; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies; E. C. Amling, Chicago, Ill , cut flowers; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers; Wm. F. Kasting, Buffalo, N Y., cut flowers; J. B. Deamud, Chicago, Ill., cut flowers.

MUSCATINE, IA.—Aug. Smith has opened a well appointed store on Iowa avenue. His greenhouses are on Eighth street.

CARLINVILLE, ILL.—George Biegert, formerly of Biegert & Mueller, florists here, is now in charge of the Carlinville Cemetery.

SABETHA, KAN.—G. Christ has added another house to his establishment and is now well equipped with a general stock.

Publications Received.

PRACTICAL FORESTRY IN THE ADIRONDACKS.—Bulletin No. 26, U. S. Dept. of Agriculture, Division of Forestry.—It may not be generally known that the Department of Agriculture has offered to make personal studies and prepare plans for forest preservation and management, and to supervise their execution, making no charge for such work upon small tracts, and charging only actual traveling and subsistence expenses for larger works. The present bulletin deals principally with the work done upon two such tracts. It is very full and complete and abundantly illustrated and should prove of value to all persons interested in the proper and profitable handling of forests.

MARYLAND AGRICULTURAL EXPERIMENT STATION, TWELFTH ANNUAL REPORT.—This report contains the most complete account of the San Jose scale, its distribution and methods for its destruction which has come to our notice. It is fully illustrated and should be of interest to all nurserymen. The balance of the report is devoted to matters of strictly agricultural interest.

THE EXPERIMENTAL VINEYARD.—Virginia Agricultural Experiment Station, Bulletin No. 94.—This contains a very minute description of two systems of grape pruning and training fully illustrated, also reports on varieties in the station vineyard.

OBITUARY.

S. C. GAUSE.

Samuel C. Gause, the only brother of G. R. Gause, of Richmond, Ind., died at Asheville, N. C., November 27, and was buried at Richmond, December 2. The deceased was formerly in business with his brother at Richmond, and had gone to Asheville for the benefit of his health, having been subject to lung troubles.

Peoria, Ill.

The prospects for Christmas trade are very bright. Chas. Loveridge has a magnificent crop of carnations in sight and Cole Bros. have a large house of azaleas which will be in. J. C. Murray also has a bench of azaleas and several thousand narcissi, also a good lot of carnations and roses. Kuhl, of Pekin, has the best roses grown in this locality and Washburn, of Bloomington, the finest carnations, with good Christmas stocks in sight in both places. There will be a shortage of both American Beauties and violets. The plant trade is not heavy here and the prices of cut flowers are not so high as in larger cities. PEORIAN.

PORTLAND, ORE.—S. C. Dennett & Co. have moved into their new store and are nicely situated.

BARING CROSS, ARK.—Frank Vestal reports good business with splendid prospects for spring.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By young man of some experience in greenhouse work. Address for particulars R. J. WINCHESTER, Pecatonica, Ill.

SITUATION WANTED—By carnation specialist of 18 years' experience; single age 31. References exchanged. Address D E., care American Florist.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J. A. T., care American Florist.

SITUATION WANTED—By young man as assistant in greenhouses. Experience equivalent to about four years. To begin about Jan 1st. Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—By practical gardener with 25 years' experience in growing roses, carnations, chrysanthemums, plants and flowers of every description, forcing fruits under glass, and vegetables, also landscape work. Best of references from English and American employers; married, no family. Address F. W. F., 208 N. Clark street, Chicago.

WANTED—A good propagator and grower. TETER FLORAL CO., Oskaloosa, Ia.

WANTED—A thorough rose grower for a small, up-to-date and new place. Address with references EMIL GLAUBER, Monticalr, Colo.

WANTED—A copy of issue No 4 October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist

WANTED—A good all-around florist one who understands his business and is willing to work—or will sell half interest L. E. CARTER, Shreveport, La.

WANTED AT ONCE—Young man, one who has had three or four years' experience in greenhouses. Wages, $20 00 per month, board and room to start. Address E. J. BOLANZ, Akron, O.

WANTED—A first-class rose and carnation grower, to take place as second man. State wages. If single or married and give a list of satisfactory references. M. A. HUNT FLORAL CO., Box 235, Terre Haute, Ind.

WANTED—A first-class florist, single; must be sober, industrious and not afraid of work; a good grower of roses, carnations and mums. State nationality and lowest wages accepted with room and board in hotel. Refs. NICHOLAS AMOS, Cresline, O.

WANTED AT ONCE—Two experienced rose growers, to take charge of a section of houses, also two experienced carnation growers to take charge of a section of carnation houses. These must be first-class growers and have the best of references. Kindly state experience, wages expected, etc. LAKEVIEW ROSE GARDENS, Jamestown, N. Y.

FOR SALE—Commercial place of R. D. BAKER, Canon City, Colo.

FOR SALE—Who wants a chance to secure a home and a business with but small investment? Dwelling and 4000 ft. of glass; no competition. Good thing. Only $100 required. Address GOOD CHANCE, care American Florist.

FOR SALE—Greenhouses about 50 000 square feet of glass well stocked and finely located for retail trade in the largest city in the west. Will sell one-half or whole interest. Doing large business. Good reasons for selling. Address C D, care American Florist.

FOR SALE CHEAP—About 2000 ft. 4-in. cast iron pipe with fittings; 6500 sq. ft. lucli in glass; also one No. 12 Myers boiler. All the above are in good condition and have been used in the well-known "Trimble Graperies," and to be sold as they stand. Apply to CHAS. T. MCFARLAND, West Chester, Pa.

FOR SALE First-class well established Florist Business, located in central part of city of about 20,000 population. Have 11,000 sq. ft. of glass with all modern improvements, a fine stock and everything in first-class condition. Without a doubt a bargain as to-day the glass could not be bought and put up for the price I will sell for. Any live florist with money can purchase a fine range of glass very cheap. Good reasons for selling. Don't inquire unless you mean business. Address BU INESS, care AMERI AN FLORIST.

FORCED SALE.

OF GREENHOUSE PROPERTY.

In "Spring Valley," 30 miles from New York, five minutes from R. R. Depot. The owner is unable to work the place on account of sickness and wishes to go to Florida, is willing to sell for half value. Two and one-half acres of high land, dwelling house new; four greenhouses 12x100, one 18x20 in good condition and stocked with violets and carnations. Heated with Hitchings' boilers. Price $3,500, $1,000 can remain on mortgage at 5 per cent. Apply at once to

L. USSING, 53 W. 28th St., NEW YORK.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

New Haven, Conn.

Business has been very good for the past few weeks, flowers of all kinds being very scarce and hard to get at any price. Bridesmaids of first quality are worth $2.50 to $3 per dozen, while carnations bring 50 cents for ordinary sorts and $1 for fancy varieties. At present all the local florists are very busy preparing for a large Christmas trade.

Ludwig Wolf has finished a nice house 18x76 for carnations and has commenced cutting some very nice blooms.

We are to have one more florist; Hull, the druggist, intends putting in a floral department as soon as alterations are completed.

Recent visitors: Stephen Horan, of Bridgeport; John Scott, of Brooklyn.

G. H.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

G. L. HUSCROFT & CO.,

Wholesale Florists,

444 Sixth Ave., PITTSBURG, PA.

Long Distance Phone 2985.

CONSIGNMENTS SOLICITED. We command a good market.

Wholesale Flower Markets

CINCINNATI, Dec. 14.

Roses, Beauty, select	50 00@80 00
" " medium	20.00@30.00
" Bride, Bridesmaid	5 00@ 6.00
" Meteor	5.00@ 6.00
" Perle	4.00@ 5 00
Carnations	2 00
" fancy	3 00
Lily of the Valley	4 00
Violets	1.00
Narcissus	3 00
Roman Hyacinths	3 00
Callas	8 0 @10 00
Poinsettias	25 00
Smilax	12.50@15 00
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15

ST. LOUIS, Dec. 14.

Roses, Beauty	10.00@20.00
" " fancy	25.00@50.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 8.00
" Perle, Wootton	3.00@ 5 00
Carnations	1.50@ 4 00
Lily of the valley	3.00@ 4 00
Violets	1.50@ 2 00
Narcissus	2.00
Romans	2.00
Stevias	.50@ .75
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Dec. 14.

Roses, Beauty, long per doz.	3.00@ 5 00
" " medium " "	1.50@ 3.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	6 00@ 9.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations	2.00@ 4 00
Stevias	1.00@ 1.50
Adiantum	1 00
Common ferns	25
Smilax	12.00
Asparagus	60.00

PITTSBURG, Dec. 14.

Roses, Beauty	10.00@50.00
" Bride, Bridesmaid	4.00@12.00
" Meteor	6.00@12.00
" Kaiserin	6 00@10.00
" Perle	4.00@ 8.00
" Chatenay	3.00@ 6 00
Carnations	2.00@ 4 00
Lily of the valley	3 00@ 4 00
Violets, double	1 00@ 2 00
" California	.50@ 1.00
Chrysanthemums	12 00@25 00
Narcissus Paper White	3.00@ 4 00
Roman Hyacinths	2 00@ 3.00
Harrisii	20.00@25.00
Smilax	12 00@15.00
Wild Smilax per case 3.50@6.00	
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax Leaves	.15

Orchids and Valley For The Holidays.

The following prices apply to all orders except where contract is in force.

CATTLEYA LABIATA, VERY LARGE	per doz.,	$12.00
" PERCIVALIANA, medium	"	9.00
DENDROBIUM FORMOSUM, large white	"	7.00
CYPRIPEDIUM INSIGNE	"	3.00

LILY of the VALLEY, 6 to 8 in., 9 to 11 bells, with foliage, per 100, $3.50

Owing to the limited amount of surplus over contract orders, the management of the "Rosebank" Nurseries advise the placing of early orders for this stock.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin

124 Tremont St., BOSTON, MASS.

HOLTON & HUNKEL CO.

Wholesale Florists,

457 Milwaukee St., - MILWAUKEE, WIS.

Leather Bound

copies of the new edition of our DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada, arranged both by states and towns and alphabetically. Price, $3.00; in board covers, $2.00.

American Florist Company,

324 Dearborn Street, Chicago.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

CHRISTMAS PRICE LIST:

Prices taking effect Dec. 20th.

	Per Dozen.		Per 100.
AM. BEAUTIES, Ex. long	$12.00 to $15.00	ROMANS	$2.00 to $3.00
" 24-inch	8.00 to 10.00	NARCISSUS	3.00
" 20 "	6.00 to 8.00	STEVIA	2.00
" 15 "	4.00 to 5.00	ADIANTUM	.75 to 1.00
" short	2.00 to 3.00	ASPARAGUS	50.00
	Per 100	SMILAX	12.50 to 20.00
BRIDES, MAIDS	12.00 to 15.00	GALAX LEAVES, $1.25 per M.	.15
METEORS, KAISERINS	12.00 to 15.00	FANCY FERNS, $2.00 per M.	.20
PERLES	8.00 to 12.00	IVY LEAVES	.50
CARNATIONS, good stock	3.00 to 5.00	LEUCOTHOE SPRAYS	.75
" fancy, including BRADT, CRANE, ARGYLE, JOOST, FLORA HILL, VALLEY	6.00 to 8.00	RED WINTER BERRIES, per case, $3.00.	
	4.00 to 5.00	WILD SMILAX, No. 1 contains 15 lbs.	$2.50
VIOLETS, double	2.00 to 2.50	No. 2 " 20 lbs.	3.50
" single	1.50 to 1.75	No. 4 " 35 lbs.	4.50
CYPRIPEDIUMS	15.00	No. 5 " 40 lbs.	5.50
CATTLEYAS, very scarce	$8.00 per doz.	No. 6 " 50 lbs.	6.50

Agent for Caldwell's Wild Smilax.

P. AND D. AT COST. ☞ Prices subject to change without notice.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

STRICTLY PURE SHEEP MANURE,

gathered weekly at Union Stock Yards, Chicago. *Order your supply now.*

PER TON, $15.00; PER 1000 LBS., $8.00.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS. FULL LINE OF ALL Florists' Supplies

HOLLY and GREEN.

We can meet the quotations of any reputable Western House.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

GEO. A. KUHL,

Grower of Cut Flowers

ROOTED ROSE CUTTINGS.

Pekin, Illinois.

GALAX LEAVES.

Beautiful Green and Bronze, 50 cts. per 1000.

Address W. H. WILLIAMS & BRO., Victoria, Macon Co., North Carolina.

Please mention the American Florist when writing.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Wholesale Flower Markets

CHICAGO, Dec. 15.

Roses, Beauty, extra long stems		6.00
" " 30 inch "		4.00
" " 24 " "		3.50
" " 20 " "		3.00
" " 15 " "		2.00@2.50
" " 12 " "		1.50
" " 8 " "		1.00
" Bride, Bridesmaid		7.00@10.00
" Perle		5.00@ 7.00
" Meteor		7.00@10.00
" Kaiserin		5.00@ 8.00
" La France		7.00@10.00
" Golden Gate		10.00@12.00
Carnations		3.00@ 4.00
" fancy		5.00@ 6.00
Violets, double		1.00@ 2.00
" single		.50@ 1.00
Lily of the Valley		4.00@ 5.00
Cattleyas	per doz.	6.00
Dendrobiums	"	3.00
Chrysanthemums, medium		2.00@ 6.00
" long		10.00@25.00
Mignonette		1.00@ 2.00
Roman Hyacinths		1.00@ 3.00
Narcissus		2.00@ 3.00
Adiantum		.50@ 1.00
Common ferns		.15
Fancy Ferns		.20
Smilax		10.00@20.00
Asparagus		50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

Please mention the American Florist when writing.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

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Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT PITTSBURGH, PA. A.D. 1763 COL. BOQUET. — Roses Violets

CONSIGNMENTS SOLICITED.

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Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

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Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per 100. Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

HARDY CUT FERNS



FANCY DAGGER

In 1000 lots, $1 per M. Discount on larger orders. Also dealer in Sphagnum Moss, Bouquet Green. Also wholesale dealer in Christmas Trees and Baled Spruce for cemetery use. Special attention paid to supplying in carload lots.

L. B. BRAGUE, Hinsdale, Mass.

WE will have 1000 strings heavy **SMILAX**, ready to cut about Dec. 15th to 30th. Average length, over 6 feet.

E. J. Bolanz,
222 So. Main St., AKRON, OHIO.

Wholesale Flower Markets

PHILADELPHIA, Dec. 13.

Roses, Tea	8.00@10.00
" extra	12 00
" Beauty, extra	40 00@ 60.00
" " firsts	20 00@ 25.00
" " seconds	8.00@15 00
Carnations	1 50@ 2 00
" fancy	2.50@ 3.00
Lily of the valley, Romans	3 00@ 5 00
Violets	.75@ 2.00
Mignonette	3.00@ 4 00
Romans, Narcissus	3 00@ 4.00
Asparagus	.35 00@50.00
Smilax	25.00
Adiantum	1.00

BOSTON, Dec. 13.

Roses, Beauty, extra	50.00@75.00
" " medium	25.00@35.00
" " culls	5 00@ 1 .00
" Bride, Bridesmaid, Meteor	8 00@ 20 00
Carnations, ordinary	1 50@ 2 00
" fancy	2 00@ 4 00
Lily of the valley	3 00@ 4.00
Violets, single and double	1 00@ 1.50
Romans, Paper White Narcissus	2.00
Chr santhemums	8 00@12.00
Mignonette	4 00@ 6 00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

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N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-24 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

: Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower, Ashtabula, Ohio.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Dec. 13.

Roses, Beauty select	30 00@60 00
" " medium	20.00@25 00
" " culls	5 00@10 00
" Bridesmaid, Bride, Meteor	6 00@15 00
Carnations, fancy	1 00@ 2 00
" "	2.50@ 5.00
Lily of the valley	2 00@ 3 00
Violets	1.00@ 1 50
Romans, Paper White Narcissus	1.00@ 2.00
Chrysanthemums	6 00@12 00
Mignonette	6 00@ 8 00
Callas	8 00@10 00
Cattleyas	50.00@60 00
Smilax	8 00@12 00
Asparagus	35 00@50.00
" Sprengerii, per doz. bunches	1@1 50
Adiantum	.50@ .75

BUFFALO, Dec. 14.

Roses, Beauty	10.00@60 00
" Bride, Bridesmaid, Meteor	3.00@10.00
" Perle, Niphetos	3 00@ 6.00
" Kaiserin	4.00@10.00
Carnations, ordinary	1 50@ 2 50
" fancies	2.00@ 3.50
Lily of the valley	3.00@ 4.00
Violets	1.50@ 2 50
Narcissus Paper white	2 50@ 3 00
Roman Hyacinths	2 00@ 4 00
Harrisii	20 00@25 00
Stevias	1.00@ 1 25
Chrysanthemums	10.00@20 00
Smilax	15.00
Adiantum	.75@ 1.25
Hardy Ferns, Galax Leaves	.15
Asparagus	40.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Galax Leaves.
GREEN and BRONZE.
New crop. Finest stock only, for the HOLIDAY SEASON.
THE INTRODUCER
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply CHRYSANTHEMUMS in best quality and any quantity. VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's...
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE demand for onion seed is rather quiet at present.

VALENTINE beans are still advancing in price, also Wakefield cabbage.

NEW YORK.—Trial of the Manda-Elliott case resulted in a verdict favorable to the defendant, Wm. J. Elliott, December 7.

M. F. WILKINSON, formerly at Grand Ledge, will open a seed store at Olivet, Mich., under the firm name of M. F. Wilkinson & Co.

AT Rose Hill, a suburb of Chicago, M. Hermes suffered by fire on December 12 the loss of his barn and $600 worth of seeds, mostly insured.

VISITED CHICAGO: A. J. Brown, of Grand Rapids, Mich.; Mrs. S. Y. Haines; the Misses Sadie and Jessaline Northrup, daughters of J. E. Northrup, Minneapolis.

VARIOUS flower and vegetable seeds, after having been exposed to the action of liquid hydrogen in producing a temperature of—453° Fahr., have germinated readily.

THE Department of Agriculture will begin its distribution of seeds a little earlier this year than last, shipping them south the beginning of January and perhaps sending a few shortly before the first. This year the seeds for distribution to all parts of the country will consist of 13,000,000 packets of vegetable seeds, 1,560,000 of flower seeds, besides field and lawn grass seeds.—*Washington Post.*

Carbon-Bisulphide for Insects in Seeds.

Seeds infested with insects such as weevils, grain-beetles, meal-beetles, etc., ordinarily are best freed of the pests by the use of carbon-bisulphide.

A careful germination test of beet seed treated with this liquid was made to determine definitely whether it was safe to thus treat beet seed in order to rid it of any insects that might infest it. Three separate lots of seed were exposed to two different strengths of the gas for different lengths of time.

In lot No. 1, 100 fruits, each containing from one to seven true seeds, were exposed for twenty-four hours to the gas at the rate of two drams of the liquid to a cubic foot of air space.

In lot No. 2, 100 fruits were placed in an atmosphere saturated with the gas for twenty-four hours.

In lot No. 3, 100 fruits were placed in a jar without any of the liquid, as a check on the others.

In lot No. 4, 100 fruits were placed in an atmosphere saturated with the gas for forty-eight hours.

The seeds employed were Vilmorin's Improved.

After the seeds had been subjected to the action of the gas for the required time, they were placed between moist sheets of filter-paper, each lot under a separate bell jar. In the case of lot No. 1, 93 of the 100 fruits germinated at the end of two weeks; in lot No. 2, 76 germinated; in lot No. 3 (check), 93 germinated, and in lot 4, 50, in the same length of time.

Exposure to the weaker strength (two drams to the cubic foot) somewhat accelerated the germination without injuring the seed, while exposure to the stronger gas killed the seed directly in proportion to the time exposed.

The gas is strong enough when used in the lesser rate to kill all insects and vermin that may infest it. Great care must be employed in using the substance, for it is explosive when lighted and very poisonous to breathe. The seed or grain should be in air-tight bins or barrels, and means should be at hand to close them tightly and quickly. The space in the bin or barrel should be computed, counting in any air space above the seed, for the gas will occupy the space, too. For every cubic foot of space, one dram of the liquid should be used, for every 100 cubic feet one pound of the liquid will suffice. Shallow pans or dishes should be placed on top of the seed and the liquid poured into them, after which the bins or receptacles should be quickly and tightly closed. Wet blankets and old carpets will do very nicely for this purpose if enough of them are used.

If the seed or grain is more than three or four feet deep, some of the liquid should be poured into it at some depth to ensure its spreading evenly and filling all the space treated. This is easily done with a piece of gas-pipe fitted with a wooden stick for its entire length. The pipe, with the stick in place, filling the hole, is thrust down half way, the stick is withdrawn and the liquid poured down through the pipe. The stick merely prevents the pipe from being filled with grain when pushed into place.

The liquid carbon-bisulphide on being liberated, will be quickly transformed into a gas, which, being heavier than air, settles to the bottom and fills all the air-spaces between the seed or kernels. The liquid costs about 30 cents for a single pound, or about 10 cents per pound when purchased in fifty-pound lots. It can be used to kill insects in the granary, in the pantry, clothes-moths, and in fact any insect in material that can be placed in trunks, chests or barrels that can be tightly closed. In general, one dram should be used for a cubic foot of space, as some seeds are injured if subjected to too strong a treatment. The work must be done in the daytime, away from lamps, stoves, or fires of any sort, and no fires must be allowed to come near it until everything has been aired thoroughly. Grain should be shoveled over several times. Great care must be observed to breathe as little as possible, for it is very dangerous and will as easily produce death among men as among insects.—*Michigan Experiment Station Bul 175.*

SALVIA SPLENDENS. New crop now ready and grown with extreme care at our Floracroft Grounds. Per oz. $1.00, per pound, $12 00.

SEMPLE'S BRANCHING ASTER. Our strain of this popular Aster cannot be excelled, seperate colors, Shell Pink, Red and White, @ 75c. per ounce, mixed colors, 50c. per oz. $6 00 per pound.

LILY OF THE VALLEY PIPS. Berlin Sand Grown, 3 year old, $10.00 per 1000: per case (2500) $23.00.

ENGLISH MUSHROOM SPAWN. New Shipment, $6.50 per 100 pounds, $60.00 per 1000 pounds.

TOBACCO STEMS. By the bale or ton. Don't buy elsewhere till you get our prices.

FLOWER SEEDS FOR FLORISTS.

SEND FOR WHOLESALE LIST....

JOHNSON & STOKES,

217 & 219 MARKET STREET. PHILADELPHIA, PA.

Lily OF THE Valley

Vaughan's London Market.

Ask for samples.

Spiraea.

Forcing Gladiolus.

ORDER NOW.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

BULBS. LOW SPECIAL OFFER.

	Per 100
SINGLE HYACINTHS, named varieties	$4 80
" " " colors	3.75
TULIPS, SINGLE EARLY, mixed	.60
" " LATE, "	.70
" DOUBLE EARLY, "	.70
" " LATE, "	.65
" PARROT, mixed	.75
CROCUS, mixed	2.35
NARCISSUS POLYANTHUS, yellow, mixed	1.00
" VON SION	1.30
ANEMONES, single, mixed	.75
" double, "	1.10
OXALIS ROWEII	1.00
" VERSICOLOR	.75
SCILLA SIBERICA	.75
CHINESE LILIES	4 00
FREESIA REFRACTA ALBA, large	.75
LILIUM HARRISII, 5 to 7	3.25
" 7 to 9	8.00

Order at once. Terms cash. H. L. HOLMES, Harrisburg, Pa.

ESTABLISHED 1802

THORBURN'S SEEDS

Japan Lilium Longiflorum.

	Per 100	Per 1000
5 to 7 in. circumference	$2.50	$20.00
6 to 7 in. "	2.75	25.00
7 to 9 in. "	4.50	40.00

Lily of the Valley and Lilium Auratum.

Prices on application.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

We Have a Surplus of some varieties of Carrots, Celery, Cucumbers, Sweet Corn, Lettuce, Musk-melon, Water-melon, Onions, Radishes, Pumpkin, Squash and Tomato Seeds.

We have large stocks of Red and Alfalfa Clover, Meadow Fescue, Millet and other Grass Seeds. Sorghum, Kaffir, Broom and Field Corn, Sunflower and Tree Seeds. If interested, please correspond with us. KANSAS SEED HOUSE.

F. Barteldes & Co. Lawrence, Kans.

K. Bros. Co.



WILL FILL all orders for Christmas, except Beauties, at current Chicago market rates.

KENNICOTT BROS. CO.

42 and 44 E. Randolph Street, CHICAGO, ILL.

CHRISTMAS PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

METEOR	per 100,	$10.00	to $18.00	ROMANS	per 100,	$3.00	to $3.50
'MAIDS	" "	10.00	to 18.00	NARCISSI	" "	3.00	to 3.50
BRIDES	" "	10.00	to 12.00	STEVIA	" "	1.50	to 2.00
PERLES	" "	8.00	to 10.00	ADIANTUMS	" "	1 00	to 1.25
CARNATIONS	" "	3.00	to 4.00				
" Fancy	" "	4.00	to 6.00	COMMON FERNS	per 100, 25c.; per 1000,		2.00
VALLEY, the best	" "	4.00	to 6.00	GALAX	" " 20c.; " "		1.50
VIOLETS	" "	2.00	to 2.50	LEUCOTHOE	" " $1.00; " "		7.50

The best of our knowledge, inside prices for medium grades.
A few our selection ROSES, mostly weak stems and short, @ $8.00 per 100.

Yours Respectfully, **KENNICOTT BROS. CO.**

HEADQUARTERS FOR ERICAS

Buy your Ericas in September and October and bring them into bloom yourself! Save duty and risk of receiving them dead from the other side. 25,000 growing; come and see them. **Palms and Decorative Plants in Quantity,** all sizes and prices. New price list will be ready Sept. 15th.

P. O. Box 78. College Point, New York City
Anton Schultheis,

CINERARIAS,

Dreer's Strain, budding, extra large and heavy plants, out of 5-in. pots.....$2.00 per dozen
" " 3¼ " 1.00 "

Geranium Mars,

2¼-in., $5.00 per 100. CASH PLEASE.
HENRY EICHHOLZ, Waynesboro, Pa.

GOLD FISH and AQUARIA SUPPLIES

SEND FOR PRICE LIST

	Per 100
Select Gold Fish, medium to large	$10 00
Good Gold Fish, medium to large	7.50
Good Gold Fish, small to medium	5.00
Select Silver Fish, medium to large	5.00

Large variety of Fancy Fish.

CHRISTMAS WREATHING, wound on card, heavy quality, $3.00 per 100 yards. ☞Cash with orders.

6112-6114 Westworth Ave., CHICAGO.
Keenan's Seed Store,

...PALM PLANTS...

LATANIAS, 4-in. pots, 18 to 22 in. high, 4 and 5 leaves, $2 per doz., $15 per 100; 6-in. pots, 20 to to 24 in. high, 6 and 7 leaves, $6 per doz., $45 per 100; large, 4 to 4½ ft. in height and diameter, $5 per plant.

ARECA LUTESCENS, 6-in. pots, 2½ ft. high, 2 and 3 plants to pot, $12 per doz.; 10, 11 and 12 in. pots, several plants to pot, 6 and 7 ft. high, $7.50, $10 and $12 50 per plant.

KENTIAS, several sizes; prices on application.

PANDANUS VEITCHII, 6-in. pots, nicely variegated, $1 per plant.

J. W. COLFLESH,
53d St. and Woodland Ave., Phila.

SOUTHERN WILD SMILAX.

CASE No. 1	$1.00	CASE No. 4	$3.50
CASE No. 2	2.00	CASE No. 5	4.00
CASE No 3	3.00	CASE No. 6	4.50

Carefully selected stock. *Full cases.*

Write for art catalogue "Evergreens of the South land" which every florist should have in his store to show customers illustrations of beautiful southern Evergreens

Caldwell The Woodsman Co., Inc., Evergreen, Ala.

P. S.—The cow is dead. *Smilax killed her.*

THE BOSTON FERN A Specialty.

Extra fine plants cut from bench for 7-in., 8-in. and 10-in. pots, at $50, $75 and $100 per 100.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN,

in all sizes from

$5.00 per 100, $40.00 per 1000 to

SPECIMEN PLANTS at

75c., $1.00, $2.50, $5.00 and $10.00 each.

Further information cheerfully given.
SATISFACTION GUARANTEED.

Chestnut Hill, ...PHILA., PA.
EDWIN LONSDALE,

DEUTZIA GRACILIS.

Strong, bushy plants for forcing, $6.00 per 100.

MORRISVILLE, (Bucks Co.), PA.
SAMUEL C. MOON,

Send for price list of Hardy Shrubs and Trees.

PREPARED TROPICAL PALMS.



FAN.

5 Leaves,	24 inches high,	$3.60 per doz.
6 Leaves, medium,	30 "	6.00 per doz.
4 Leaves, large,	36 "	9.00 per doz.
6 Leaves, large,	36 to 42 "	12.00 per doz.
8 Leaves, large,	42 to 48 "	18.00 per doz.

Above prices are without pots.

You Can Sell Them At a Splendid Profit.

.....TERMS.....

2 per cent off ten days. Net 1st each month.



CYCAS.

4 Leaves, medium,	$1.00 each
6 Leaves, medium and large,	1.50 each
8 Leaves, medium and large,	2.00 each
12 Leaves, medium and large,	3.00 each
16 Leaves, medium and large,	4.00 each

Above prices are without pots.



ARECA.

4 Leaves, large and small,	3 feet high,	$6.00 per doz.
6 Leaves, large and small,	3½ "	9.00 per doz.
8 Leaves, large and medium,	4 "	12.00 per doz.

ALL PALMS ARE SHIPPED WITHOUT POTS. CAN BE PLACED IN ANY ORDINARY POT FILLED WITH SAND OR SOIL.



TREES.

8 Leaves, 5 feet,	$2.50 each
12 Leaves, 6 feet,	4.00 each
16 Leaves, 8 feet,	5 00 each

Ostertag Bros.,

FLORISTS,
Washington and Jefferson Aves.,
ST. LOUIS, MO.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

AT Tangent, Ore., H. W. Settlemire, has planted a ton of peach pits.

THE nurserymen universally report unprecedented fall planting of ornamental stock.

PARSONS & SONS CO, Flushing, N. Y., have sent a consignment of nursery stock to Eastern Siberia.

CHARLES L. STERNS, North Syracuse, N. Y., has a seedling apple which experts consider of high promise.

IRVING ROUSE, of Rochester, has returned from France, where he made arrangements for large importations.

THE Western Association of Wholesale Nurserymen will hold its semi-annual meeting at Kansas City, Mo., December 20.

THE Carolina poplar, a tree of quick growth is recommended for planting in cities for its power of resisting smoke and gas.

W. T. HOOD, of Richmond, Va., does not believe that the increased demand warrants nurserymen in excessive plantings.

THE nursery of Richman & Mills, Fullerton, Cal., is to be doubled in capacity. They are experiencing a strong demand, especially for apricots and walnuts.

Trees for City Streets.

The proposition to make a grand boulevard on Broad street, Philadelphia, shaded by lines of trees, has drawn much attention to the subject of street tree planting. A great deal of discussion is going on as to the proper kind of trees to employ, and very properly, too, but at the same time the most important matter is the provision of suitable situations for them. It is useless to expect trees to thrive where the whole surface above the roots is air tight, as is the case in many of the streets in our large cities. With asphalt-covered streets, cement sidewalks and but a little space, perhaps but eighteen inches square, around the tree, how is the tree to grow? That it is this alone that makes so many of our street trees an eyesore is evidenced on very many of the streets of every town. I would call the attention of any one to Girard avenue, of our city, as an illustration. Many of the residences along it have little gardens attached to them, and in these gardens are trees of various kinds thriving as well as any one could wish. And very often these trees are not many feet away from miserable looking "street trees." In fact, wherever there is a little spot with a reasonable space of surface soil free to the air, sun and rain, a tree will thrive, if the soil be of reasonable quality.

The tendency of the times is to have both street and sidewalk made impervious to water, and this means a harder struggle for trees. In former days trees along our streets did much better than they do to-day. Those were days of macadamized roads, cobble stones and Belgian blocks, which we are glad to be rid of, even at the expense of losing our trees. But those pavements permitted the growth of roots, and trees thrived. The only hope for trees on our "improved" streets is to have a considerable space of uncovered soil. Should the sidewalk be cemented, as so many are, a space, say two feet wide, parallel with the curb, should be left open. If desired that it be covered in some way use bricks, which would permit of air and moisture finding a way through.

There are, no doubt, certain trees much better fitted than others, there being among them some reckless fellows, apparently glad to be permitted to grow anywhere, but some of these, the ailanthus for one, are not just what are wanted. I venture the opinion that if more attention were paid to the requirements of the roots, there would be much less discussion needed as to what kind to plant. Not only should more exposed surface be given about the roots, but the nature of the soil itself must be considered. Many city streets have been filled in, which means loads of ashes, tin cans, bricks, and all manner of rubbish; others have been graded below their original level and top soil has disappeared, and a subsoil of stiff clay is what the trees are expected to grow in.

The city of Washington is often cited as showing what can be done in the way of street trees, and certainly there are some valuable hints to be received there. The famous avenue of ginkgo trees leading to the Agricultural Building do not have to depend on a covered-in street surface for their existence, and along the other streets my recollection is that quite large spaces are left open around each tree. Besides this, the care of the city streets is under a commission of practical men, who make sure from the start that they provide for the requirements of the tree for the present and the future, as far as it is possible to do. JOSEPH MEEHAN.
Philadelphia.

GRAND ISLAND, NEB.—Brewster & Williams, who now have 8,000 feet of glass, are having a good trade and expect great things of Christmas.

TRENTON, N. J.—C. Ribsam & Son report holiday orders far ahead of past years, both for plants and cut flowers, and prices much better.

YOUNGSTOWN, O.—E. Hippard says that holiday business will be big but that roses and carnations will be scarce because of the warm autumn.

BRAMPTON, ONT.—H. Dale states that there has been more than the usual inquiry for Christmas stock. There will be a fair supply of good quality, violets being the only exception; these are good but scarce.

SOUTH HADLEY, MASS.—The plant houses erected by Hitchings & Co. in the Talcott Arboretum at Mt. Holyoke College, cover a ground space of 6,500 square feet, and consist of a curvilinear palm house and three other houses each 50 feet long, with work rooms, class room, laboratory and propagating house. In the center of the palm house is a large tank for aquatics.

The MODEL Extension Carnation Support.



LANCASTER, PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.
Dear Sir:—Your Model Carnation Support is all right in every way and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best on the market, and if your other specialties are equally as good, they should make another addition to the money makers of 1900. Respectfully,
ALBERT M. HERR.

FLATBUSH, BROOKLYN, N.Y. Feb. 18 '97.
MR THERON PARKER.
Dear Sir:—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb 18, '97.
MR. THERON PARKER.
Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up carnation supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for a long time. Wishing you every success in the sale of them, I am
Yours truly E. ASMUS.

Straight Galvanized Steel Rose Stakes
AT LOWEST PRICES.
Write for Prices, Circular and Special Discounts for Early Orders.
The Model Plant Stake Co.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET, BROOKLYN, N. Y.

HOME OF CHOICE TREES
and Hardy Plants.
SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.
NEW INTRODUCTIONS OF HARDY PERENNIALS.
NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. ☞ Catalogue free.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.
Please mention the American Florist when writing.

NURSERYMEN....
IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

It is good business policy to mention the American Florist when you write to an advertiser.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

WE WILL HAVE LARGE STOCKS OF

Choice Flowers For Christmas.

NOT ENOUGH FOR ALL, BUT ENOUGH TO FILL ALL ADVANCE ORDERS. THIS WE WILL DO. LET US HAVE YOUR ORDER NOW. Quotations furnished on application.

E. C. AMLING, 51 Wabash Ave., ...CHICAGO.

W. S. HEFFRON, Manager.

LAKEVIEW ROSE GARDENS

.....JAMESTOWN, N. Y.....

WHOLESALE GROWERS OF CUT FLOWERS.

WE CAN FILL ALL ORDERS AT SHORT NOTICE.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00
Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

Orders Now Booked For
CARNATION CUTTINGS!
For All Fancy Varieties.
All Cuttings Guaranted Al.
CHICAGO CARNATION CO.,
Greenhouses and address, JOLIET, ILL.

New and Standard Varieties of
CARNATIONS.
F. DORNER & SONS CO., LaFayette, Ind.

800,000 FEET OF GLASS.



ENBERG BROS.

Wholesale Growers of
CUT FLOWERS

We can fill all orders on short notice with all leading varieties of ROSES and CARNATIONS. We are headquarters for fine.....

AMERICAN BEAUTIES.

51 Wabash Ave., - CHICAGO.

CHRISTMAS PRICE LIST.

AMERICAN BEAUTY		
Extra long	per doz.,	$12.00
30-in. stem	"	10.00
24 "	"	8.00
20 "	"	6.00
15 "	"	5.00
12 "	"	3.50
Short	"	2.00
METEOR	per 100,	$15.00
BRIDESMAID	"	15.00
BRIDE	"	15.00
GOLDEN GATE	"	20.00
LA FRANCE	"	15.00
PERLE	"	12.00
CARNATIONS, fancy	"	4 to 5.00
	"	6 to 8.00

Extra select and second grade stock billed accordingly.
Quotations subject to change without notice.

NEXT CENTURY'S BUSINESS

can be started now by advertising in this journal. Don't wait until January 1 to commence next year's business. The best orders are placed early with advertisers in THE AMERICAN FLORIST

TRY THIS PLAN.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Richmond.

There was an interesting game at the Monarch alleys, Richmond, Ind., December 11, when the following scores were made, E. G. Hill being among the spectators:

Player	1st	2d	3d	Av
J. S. Wilson	121	142	154	139
Wm. P. Craig	110	128	98	112
Harry May	131	85	104	107
F. H. Lemon	109	131	77	106
W. Hawekotte	111	85	111	102
M. Barker	85	97	102	95
H. Shepperd	82	61	89	77

At Flatbush.

The attendance last Thursday at the bowling alleys was light. The following scores were recorded:

Player	1st	2d	Av
Prusser	133	143	138
A. Zeller	148	125	137
Wocker	114	156	135
E. Dailledouze	115	144	130
Butterfield		121	121
Schmutz	87	128	108
Stewart		121	107
Woerner	102	106	104
Papa Zeller	87	82	85

At New York.

Monday afternoon, previous to the Florists' Club meeting, a very pleasant time was spent at the Fifty-seventh street alleys by the following named aggregation who put up the several scores as recorded:

Player	1st	2d	3d	4th	5th	Av
Lang	145	112	135	197		147
Burus	140	143	159	133	131	141
Norris					139	139
Atkins	123	133	128	155		135
Marshall				125	143	134
Hafner		163	130	100		131
Roehrs	112	126	152			130
Traendly	129	103	122	149	139	128
Stewart					124	124
Butterfield	132	124	109	124	94	117
Penman					113	113
Siebrecht			96	115	113	108

At Philadelphia.

There was a small gathering of gunners at Wissanoming Tuesday to shoot for the monthly club prize. The score:

	Known angles.	Unknown angles.	Hdp.	Total.
Barrett	23	13	19	55
Park	24	20	7	51
Bell	20	22	8	50
Harris	18	21	10	49
Westcott	19	17	13	49
McKaraher	15	15	11	41
Redifer	22	20		42
Butts	20	25		40

TEAM MATCH, 25 TARGETS, KNOWN ANGLES.

	Broke.		Broke.
Park, capt	24	Redifer	23
Bell	13	Butts	18
Harris	19	Smith	21
Westcott	19	McKaraher	15
Total	75	Total	77

On the alleys the good work is kept up by the enthusiasts, who never tire of trying for the 200 mark. Hamilton is the greatest offender, scarcely a week passing that he does not put up one or more games that eclipse the double century. Geo. Moss is often a suspect and frequently is found guilty of the same offence. Old Man "Bake" will have to get a move on or that long line of two hundreds will no longer appear to project so far. K.

At Denver.

The following scores were made Tuesday evening, November 28, at the alleys of the Denver Florists' Bowling Club:

Player	1st	2d	3d	Av.
A. E. Mauff	237	177	170	195
Robt. Kurth	185	214	170	190
Neil Jakobsen	187	197	171	185
Chas. Mauff	188	143	183	171
Geo. Brenkert	187	152	174	171
Don Scott	190	151	160	167
Chas. Franz	194	137	164	165
John Berry	194	146	151	164
Geo. Zimmer	136	188	143	156
Ed. Emerick	148	194	121	154
A. A. Benson	123	124	163	137
John Ferris	153	115	128	132
E. C. Flohr	128	137	101	122
Wm. Lingenbrink	130	96	101	109

E. C. F.

Charles Zeller.

The genial president of the Flatbush Florists' Bowling Club, whose portrait appears herewith, needs no introduction to many of our readers. Although now seventy-three years of age he is rarely missing from the weekly meetings of the club and is as enthusiastic a bowler as the youngest. The boys all love him, for



CHARLES ZELLER.
President Flatbush Bowling Club.

his heart is in the right place, his good nature is inexhaustible, his kindly smile an inspiration and there is a warmth in his companionship that is irresistible. Mr. Zeller stands high in his profession and his rare attainments as a cultivator were recognized more than a generation ago, but "that is another story." Although, as with most of his colleagues, his life has been one of toil, yet he is always ready, at the proper time, to enter heartily into the social pastimes that count for so much in the existence of the hard-worked gardener. We hope he will be able to bowl for many years to come.

Orange, N. J.

At the annual meeting of the N. J. Floricultural Society, Peter Duff was elected president; J. B. Davis, vice-president; Geo. Smith, secretary and Malcolm Macrorie, treasurer. The selection for the presidency was a particularly gratifying one, for Mr. Duff's character as a man and ability as a gardener, his long service in the interests of the society, his sound judgment and wide popularity make him the ideal man for the position. The vice-president's extreme modesty caused him to protest against being selected for the honor but the club knew best and insisted on giving him a unanimous vote as the successor of John Haynes, who had declined a re-election. George Smith's sunny disposition will make him a popular secretary. He holds the responsible position of superintendent of the estate of the heirs of Samuel Colgate. Mr. Macrorie is an able executive officer, having served the society as president for two years, and the treasury will be in good hands. With such able officers the society has the brightest of prospects for the coming year. The next meeting will be the installation dinner, which takes place on January 3.

A very interesting address was given before the club after the election formalities by J. I. Donlan, on "Ancient and Modern Floral Art," whose acknowledged skill as a floral decorator was a guarantee that the talk would be well worth listening to and a good sized audience was present. Mr. Donlan's remarks were illustrated by practical demonstration with flowers, foliage and ribbon which had been provided, and covered the topics of the wreath, the garland, hand bouquet, corsage bouquet, boutonniere, table decoration and hall decoration. A hearty vote of thanks rewarded the lecturer and the entertainment was declared to have been one of the pleasantest in the society's history.

RACINE, WIS.—A. J. Fidler has his six 110-foot houses well stocked for the Christmas trade and expects good business.

FINDLAY, O.—On the night of December 6 fire caused by over-heating destroyed the greenhouse, 18x26, at the county infirmary.

SEDALIA, MO.—Chas. Koeppen has been attracting many flower admirers to his greenhouses by the excellence of his public chrysanthemum shows.

LEXINGTON, KY.—John A. Keller reports business excellent this fall. Chrysanthemums were good, plentiful and in demand. Violets are scarce but stock looks well.

ALLENTOWN, PA.—A. B. Ellsworth remarks that he has never yet been able to supply the holiday trade and that he expects this year to prove no exception to the rule.

LANCASTER, PA.—H. D. Rohrer notices an increased demand for well grown carnations, especially red. As a wholesale grower he finds the supply sadly inadequate to meet the calls.

FORT FAIRFIELD, ME.—The Aroostook Co. Pomona Grange Seed Association has been organized here with the following officers: President, F. P. Grant; Treasurer, A. F. Haines.

NEWBURYPORT, MASS.—E. W. Pearson has just finised installing a 150-horse power boiler in a new building 20x50. During the season he added a violet house 8x125, a plant house 22x100 and a cold frame of 150 sash. He now has 20,000 feet of glass.

BANGOR, ME.—The annual flower festival at City Hall opened on November 23 and continued for two days. The decorations, under the direction of Carl Beers, were the most beautiful ever seen in Bangor, and the whole affair was a pronounced success.

SPECIAL PRICES Green and Holly
.. ..ON....

.....ORDER QUICK.....

XMAS HOLLY.
Strictly Delaware Selected, Well Berried.

Case.....$4.00. 5 cases.....$18.00 10 cases.....$35.00

SOUTHERN HOLLY.
Very Good Quality. Well Berried.

Case.....$3.00 5 cases.....$12.50 10 cases.....$22.00

HOLLY WREATHS.
Well Made of Selected Holly.

	Per doz.	Per 100		Per doz.	Per 100		Per doz.	Per 100
10-in.	$1.00	$7.00	12-in.	$1.25	$9.00	14-in.	$1.50	$11.00

Select Double Sided, per dozen, $3.00.

WIRE RINGS FOR WREATHS.

	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
10-in.	50c.	$4.50	11-in.	55c.	$5.00	12-in.	60c.	$5.50
14-in.	65c.	6.00	16-in.	75c.	6.50			

MISTLETOE.
Per lb.....25c. 5 lbs.....$1.00 Per bbl., about 25 to 30 lbs.....$5.00

XMAS GREEN.
Stock is Finer Than Ever.

Crate, 100 lbs...$3.50 5 crates, 500 lbs...$16.25 10 crates, 1000 lbs...$30.00

WREATHING. WELL MADE BY HAND.

	100 yds.	1000 yds.		100 yds.	1000 yds.		100 yds.	1000 yds.
Light...	$2.50	$22.00	Medium...	$3.00	$27.50	Heavy...	$4.00	$37.50

Green Wreaths, well made, with few red and yellow Immortelles dotted through them, same price as Holly Wreaths elsewhere priced.

RATTAN, for making rings.....per lb., 25c.; per 25 lbs., $5.00

XMAS TREES.
Can Furnish No. 1 Trees as Follows:

4 to 6-foot Trees	per Doz.,	$2.00;	per 100, $15.00
6 to 8 "	"	3.00;	" 20.00
8 to 10 "	"	4.00;	" 25.00
10 to 12 "	"	5.00;	" 35.00
12 to 15 "	"	8.00;	" 50.00

Church Trees, fine, 25 to 30 feet high, from $2.50 to $10.00 each.

PAMPAS PLUMES-SELECT.

Colored, per doz.....75c Per 100, $6.00
White, " 50c " 3.00

CAPE FLOWERS.
Red, Pink, Purple, Blue, White, Green, Lavender, Violet, Yellow.

Colored, per lb.,	$1.50	5 lbs.,	$7.00	10 lbs.,	$13 50		
White, "	1.25	5 "	5.00	10 "	9.00		

Special Low Prices on Wild Smilax for Holidays.

Parlor Brand, case	each,	$3.00
Medium size, "	"	4.50
Large size, "	"	7.00
Needle Pines, small	dozen,	1.50
" medium	"	2.25
" large	"	3.00
Sabal Palm Leaves	Per 100,	4.00
Palm Crowns	Per doz.,	3.00
Sheet Moss	Per bale,	1.00
"	Per bbl.,	3.00
Laurel	"	4.00
Laurel Wreathing	Per 100 yards,	5.00
Florida Gray Moss	Per bbl.,	4.00

SPECIAL....

POINSETTIAS.

We are headquarters on Poinsettias for the Chicago market. Our stock is extra fine, as supply of these beautiful Xmas decorative flowers is quite limited, we advise early orders.

Small size	Per doz.,	$1.00 to $1.50
Medium size	"	2.00 to 3.00
Selected size	"	4.00
Extra Select—very largest.	"	5.00

Common Fancy Ferns, - $1.50 per 1000

PLACE ORDERS ON ABOVE EARLY.

Can fill Cut Flower orders with best stock the Chicago market affords and at current market prices.
All Cut Flower orders packed with the most careful attention and shipped at proper time. Write us for prices on Cut Flowers.

McKELLAR & WINTERSON, 45, 47, 49 Wabash Ave., CHICAGO.

THE GRAND NEW ROSE **LIBERTY!** FOR APRIL DELIVERY.

All Orders Filled Strictly in Rotation.

THE brightest crimson forcing rose in existence. An all year around bloomer. Read record of cut of one house containing 1033 plants for season of 1898.

Prices are as Follows....

1898.	Cut.	1899.	Cut.	1899.	Cut.
Sept.	8479.	Jan.	2570.	May.	5520
Oct.	7435.	Feb.	3120.	June.	4106
Nov.	1684.	Mar.	3008.	July.	7688
Dec.	4105.	April.	5006	Aug.	5146

OWN ROOTED PLANTS IN 2½-IN. POTS.

12 plants					$0.60 each
25 "					.50 "
50 "					.30 "
100 "					.20 "

GRAFTED PLANTS IN 2½-IN. POTS.

12 plants					$0.75 each
25 "					.60 "
50 "					.50 "
100 "					.40 "
1000 "					.35 "

ERNST G. ASMUS, West Hoboken, N. J.

AGENTS— VAUGHAN'S SEED STORE, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

MANETTI STOCKS! ENGLISH OR FRENCH

FOR DECEMBER DELIVERY. PRICE ON APPLICATION.

Indications are that Manetti Stocks are exceedingly scarce this season, but can still offer good stock in quantity.

HARRY A. BUNYARD, 42 W 28TH ST, NEW YORK CITY.

SPECIAL SALE.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, in bud and bloom, from 4-inch pots, $1.50 per dozen; $12.00 per 100.

Chinese Primroses, fringed foliage, finest market vars from 2 in. pots, $2 per 100; from 2½-in. pots $2 50 per 100; from 3-in. pots, fine plants in bud $4 per 100. From 4-in. pots, extra strong, in seven colors, including double white, red and single blue, all well set with buds, $1 doz.; $8 per 100.

All the above warranted A No. 1 stock.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

PANSIES

Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4 00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000. Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Crower of Extra Fine Pansies.

Please mention the American Florist when writing.

ANOTHER YEAR'S RECORD FOR VAUGHAN'S "FANCY" XXX HOLLY QUALITY ON TIME.

Pioneer Headquarters For

VAUGHAN'S XXX HOLLY

Its Average High Quality Never Beaten.
Every case re-inspected by us.

DEEP WOODS BOUQUET GREEN.

From Little Rib River Black River, Red River and Evergreen Creek. Indian picked.

WE MEET THE MARKET. Write or wire for latest quotations.

VAUGHAN'S SEED STORE,

84 and 86 Randolph St., CHICAGO.
14 Barclay St., NEW YORK.

PLACE YOUR NAME.....
and your specialties before the purchasing florists of the entire country by advertising in
THE AMERICAN FLORIST.
SEND ADVT. NOW.

Buffalo.

TRADE QUIET.—GOOD PROSPECTS FOR CHRISTMAS.—GREENS IN DEMAND.—CLUB PUTS BAN ON DONATIONS.

As is usual before a holiday, trade is rather quiet; we expect it is the lull before the storm. The advance orders are numerous, especially for greens for store decoration, fully up to last year. Roses and carnations are again becoming scarce; the growers are evidently preparing a stock for Christmas.

At the last club meeting a resolution was adopted that no florist donate plants, flowers or services to an employee after December 15 and the dealers are generally agreeing to the decision; it is certainly a step in the right direction.

W. F. Kasting has been at Erie, Pa.

Recent visitors: Arnold Ringier, representing W. W. Barnard & Co., Chicago; S. B. Smiley, Lancaster. W. A.

Worcester, Mass.

Since Thanksgiving all trade has been very good and flowers have been scarce at times. The quality of the blooms and plants sent in has never been surpassed at this season of the year, with the one exception of violets, which are very short and of poor quality. At this writing the prospects are for an enormous Christmas demand and not enough flowers to supply it. We shall have a good supply of plants.

The trustees of the Worcester County Horticultural Society, at their annual meeting, voted to hold no chrysanthemum exhibition next year. This is certainly a backward step.

Chas. D. Thayer and wife celebrated their silver wedding December 9 and were the recipients of many tokens of esteem.

A. H. L.

GIVE US LIBERTY!

will be the cry when the plants are all sold. Order at once.

Robert Scott & Son,

SHARON HILL, Del. Co., PA.

Please mention the American Florist when writing.

Finest Forcing Roses 2¼-in. Per 100, 3½-in. Per 100

BRIDE.....$2.50 $4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. Cash with order.

Asparagus Sprengerii. 2½-in. pots; Asparagus plumosus nanus, 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

Carnations. ROOTED CUTTINGS

SEND FOR PRICES.

ALL THE NEW AND STANDARD VARIETIES.

Geo. Hancock & Son, Grand Haven, Mich.

ALTERNANTHERA, RED AND YELLOW, Rooted Cuttings, per 100 50c. per 1000 $4.00. Selaginella Denticulata, extra fine, 3-in. per 100 $2.00.

E. I. RAWLINGS, Quakertown, Pa.

FLORISTS if you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land. AMERICAN FLORIST Co., 324 Dearborn street, Chicago

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

Grown equally successfully by Hill, Craig, and myself; you are not buying it on a venture, but knowing that it is not a success in one soil and a failure in another.

In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants, never out of crop from September to July, more flowers to the square foot than any other known variety and practically no seconds.

With 18,000 stock plants to work from there is no danger of over propagation, and you are not asked to wait until planting out time for your cuttings but can have them whenever wanted. Orders entrusted to me will have my personal attention, both in the selection of the cuttings and the filling of the order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES at $4.00 now, and a regular assortment of CARNATIONS in a list ready Jan. 1st.

ALBERT M. HERR, Lancaster, Pa.

3000 POINSETTIAS!!

Grown to single stems, measuring from 18 to 26 inches in diameter.

American Rose Company,

Write for prices. WASHINGTON, D. C.

Rose Crimson Rambler.

As a pot plant for retail sales this rose is incomparable. Its hundreds of blossoms all open together and seem to improve for at least two and even three weeks. The bright crimson color holds without fading and contrasts finely with the glossy foliage. It Forces Easily. We have fine dormant stock.

2-year-old, 2 to 3 feet, well branched, own roots, per dozen, $2.00; per 100, $15.00.
3-year-old, 4 to 5 ft., well branched, budded or own roots, doz. $3.00; per 100, $20.00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

AMERICAN BEAUTY Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS. **A. S. MacBEAN, Lakewood, N. J.**



SPECIAL

LOW PRICE on Laurel Festooning for this week only—4½ cents per yard. Order quick and get the best.

HEADQUARTERS for HARDY CUT FERNS

CROWL FERN CO.,

Telegraph Office, New Salem. MILLINGTON, MASS.

Southern Wild Smilax

F. O. B.

35 pound Cases.....$1.50
50 pound Cases.....$2.00

LONG NEEDLE PINES, per doz. 50c.; per 100, $3.00

My stock is first-class; carefully packed; full cases. Orders by telegraph filled same day received. Orders for the holiday trade solicited.

J. R. McCREARY, The Forester, GORDON, ALA.

BOUQUET GREEN.

Best quality at lowest rates. We gather our own greens and bring by our own boat direct. Also CHRISTMAS TREES.

Northern Michigan Evergreen Nursery,

SCHOONER MARY COLLINS, - S. W. Cor. Clark St., H. Schueneman, Capt. Bridge, CHICAGO.



L. B. BRAGUE,

Hinsdale, Mass.

WHOLESALE DEALER IN

Christmas Trees

AND BAILED SPRUCE FOR CEMETERY USE.

Special attention paid to supplying in Car Load lots.

WRITE FOR PRICES.



See this Vase!

IT is only one out of a big line of special shapes that you can get only from **Bayersdorfer & Co.** We have it in sizes from Bridesmaid to American Beauty, in white and gold or all silver. It is a beauty itself. The price is not high.

FOR Christmas.

Violet Hampers, Baskets with zinc pans, richly decorated China Fern Dishes, Celluloid Pot Covers and Jardinieres in various colors, Cards and Tassels for fashionable flower customers, a great variety of Metal Designs with foliage frosted or green, Immortelles, Cape Flowers Sheaves and promiscuous requisites that you must have and we can sell you to advantage. Busy as we can be, but there is still time if you rush your order in **at once.**

H. BAYERSDORFER & CO.

50-56 North Fourth Street, PHILADELPHIA, PA.

Rooted Cuttings!

PELARGONIUMS, 15 varieties			$2 00 per 100
PETUNIAS,	30	"	1.25 "
HELIOTROPE,	15	"	1.00 "
VERBENAS,	40	"	$5 per 1000. .60 "

Express prepaid except on Pelargoniums.
Cash with orders. Do not send checks.
For particulars write.... S. D. BRANT, Clay Center, Kans.

Please mention the American Florist when writing.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants—2½ in., $2 00 per 100; $3 00 per 300; 3-in., $3 00 per 100; large plants, 4-in., $1 00 per doz.

SHELLROAD GREENHOUSE CO., ...Orange P. O., Baltimore, Md.

Please mention the American Florist when writing.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Ireet, PHILADELPHIA PA.

Please mention the American Florist when writing.

DICENTRA SPECTABILIS.

Strong roots for forcing, $8.00 per 100.

NEW FORCING PLANTS.

They can't be had everywhere; write us quickly.

THOMAS MEEHAN & SONS, Herbaceous Dept., GERMANTOWN, PA.

25,000 Fine Rooted Runners... LADY CAMPBELL VIOLETS.

$5.00 per 1000. Sample free.

WILLIAM SWAYNE, Box 226. Kennett Square, Pa.



PREPARED PALMS ARE NOT HURT BY COLD.

Buy of the first introducers into the U. S.

CLARE & SCHARRATH, Orlando, Fla.

The right people on the right spot.

Please mention the American Florist when writing.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other var., 15c per 100; $1 per 1000; if by mail add 10c per 100.

PARSLEY, strong plants 35c per 100; $1.50 per 1000; $12.50 per 10,000 if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

STORM KING DAHLIA

READY NOW.. **For Forcing.**

Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.

W. P. PEACOCK, ATCO, N. J.

Please mention the American Florist when writing.

WANTED Rooted Cuttings of MARECHAL NIEL ROSES in any quantity. Delivery can be made any time up to February 15th, 1900.

JOSEPH W. VESTAL & SON, Little Rock, Ark.

STUDER OFFERS

Nephrolepis Washingtoniensis. The giant of Nephrolepis Ferns, strong plants, four for $1.00; six smaller ones for $1.00, free by mail. I originated this fern and have thousands to select from.

PALMS.

Kentia Belmoreana, 6-in pots, 3 ft. high, 7 leaves, $1.50 each; larger plants, $2.50 each.

Latania, 7-inch pots, 30 to high and diameter, 7 leaves, $1.25 each; from 6-in. pots, 75c each.

Seaforthia elegans, from 6-in. pots, 4 ft. high, 75c each; from 5-in. pots, 50c each.

Phœnix and **Coryphas,** from 5 and 6-inch pots, 35c each.

Areca lutescens, from 4-in. pots, 25c each.

Cocos Weddeliana, from 3-in. pots, 15 in. high, $2.00 per dozen.

Cyperus Alternifolius, large plants for 5-in. pots, $1.00 per dozen.

Otaheite Oranges, with 2, 3 and 4 fruits, from 4-in. and 5-in. pots, 25c, 30c and 35c each; larger ones 50c each.

Small Ferns, Carex, Marantas, Anthericums, etc., for fern dishes or baskets, 50c per dozen.

Discount, 10 per cent. on Cash Order of $10 and up, adding besides extras to help pay express charges.

N. STUDER, Anacostia, D. C.

ATTENTION, PLEASE!

We have specially fine stock to sell readers of the AMERICAN FLORIST.

	Per 100
Asparagus Plumosus, 4-in.... $1.50 per doz.,	$10.00
Asparagus Sprengerii, 3½-in.. 1.00 "	6.00
Canna Flamingo, true, scarce, dwarf crimson 16 for $1.00, $5.50 per 100, dry roots.	
Swaney White Violet, 2½-in.....	3.00
California Violet, "	2.50
Gem Calla Lily "	2.5C
Blue Spiræa, "	2.00

TERMS—cash with order. Catalogue people and others want rooted Carnations for January delivery. Write us for prices and varieties.

RONEY BROS., Florists. West Grove, Pa.

Please mention the American Florist when writing.

Always mention the American Florist when you order stock.

Detroit.

All indications point to a great demand for flowers at Christmas but the scarcity is everywhere apparent, all local growers reporting off crop of carnations and roses, while violets were never before so scarce. There will be some Romans and Paper White narcissi and possibly enough of such stock to meet the direct demand for it, but it is the bright-colored flowers that are sought for at Christmas. Chrysanthemums are all gone and the situation is made still worse by the scarcity of flowering plants, which would be largely used if they were obtainable. The retailers feel all the more alarmed by reason of the little relief expected from outside sources of supply, as the shortage seems quite universal. J. F. S.

Minneapolis.

Thanksgiving trade was better than last year. Chrysanthemums were plentiful, of good quality and sold at fair prices. Roses and carnations were not so plentiful. Violets were scarce and have been ever since. The way it looks now flowers are going to be very scarce for Christmas; chrysanthemums are all gone and roses and carnations are coming very slowly on account of the dark and cloudy weather. Cut flowers will be high; flowering plants, palms and ferns will be in demand and there seems to be a good supply. L.

HOME GROWN PALMS

				Pots	Per doz.	Per 100
Kentia Belmoreana			3- in.		$3.00	$23.00
"	"		4-in.		5.00	40.00
		Size of Pots.	Char. Leaves.	High.		
"	"	5,	5-7	18-24,	$9-$12	$70-$90
"	"	6,	7-8	20-25,	18	144
"	"	7,	7-8	26-40,	30-36	240-290
"	"	8,	7-8	$3.00 to $4.00 each.		
"	"	9,	7-8	5.00 to 7.00	"	
Kentia Forsteriana,			3-in.	$1 50 per doz.;	$12 per 100	
"	"		4-in.	$3.00	"	$23 "
"	"	5,	5-6	24-30,	$9-$12	$75-$95
"	"	6,	7-8	25-30,	18	144
"	"	7,	7 8	35-42,	28-30	225
"	"	8,	7 8	$3 00 to $4.00 each.		
"	"	9,	7-8	5 00 to 8.00	"	
Latania Borbonica,			2-in.		.50	3.00
"	"		3-in.		1.25	12.00
"	"		4-in.		3.00	23.00
"	"	5,	6-8	15-20,	5.00	40.00
"	"	6,	6-8	16 24,	8.50	65.00
"	"	7,	6-8	18-24,	12.00	90.00
"	"	8,	7 8	28 34,	22 00	175.00
"	"	9,	7-9	28-36,	34 00	272 00

Ficus Elastica 5-in. 50c; doz. $5.50; 6-in. $8.00 doz. Livistonia Rotundifolia, 7 in.. 12-14 leaves, $2.50 to $3.00 each. Pandanus Veitchii, 4-in. to 14-in., 50c to $10 each. Boston Ferns, 5c to $2.00 each. Cycas, Dracenas, Asparagus, etc., in large variety. Chrysanthemums, stock plants, $10 per 100.

We have 150,000 Tropical Plants on hand. Your visit invited. Term cash, but inspection allowed at express office.

ALBERT FUCHS,

2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.

Profitable Investment

Orchids in sheath and bud, to bloom in December and January. Price of flowers alone will realize over 100 per cent. cost of plants.

Odontoglossum Cervantesii per doz., $1 50. per 100, $12 00
" Rossii Majus, " " 2 00, " " 15 00
" Nebulosum, " " 2.00 " " 15 00

Price includes prepayment by parcel post.
J. A. McDOWELL, - CITY OF MEXICO.

Field-Grown CARNATION PLANTS

ALL SOLD EXCEPT

800 EMILY PIERSON, 100 SILVER SPRAY,
200 MORELLO, 100 SAGINAW.

Will sell the above lot at one-half of cost price to grow, if taken at once. Plants are protected in cold frames and are in fine condition.

CHAS. CHADWICK, L. B. 11, Grand Rapids, Mich.

300,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

Stock Plants.....

CHRYSANTHEMUMS!

10c. each, or $1.00 a doz.

The following varieties:

Viviand-Morel	Pennsylvania	Golden Gate
Mrs. Egan	Mutual Friend	Mrs. F Thompson
Kentucky	Mayflower	Mrs. H. L. Weeks
Mrs. Robinson	F. Hardy	Mrs. C. B. Pierce
	Major Bonnaffon	

CARL E. TAUBE,

Mercer Floral Co. TRENTON, N. J.

Acalypha Sanderi

FINE PLANTS, 2½-inch, $8.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Carnations.

We are headquarters for all new and standard varieties. If you want anything write us. All information cheerfully given. Field grown plants all sold.

Chrysanthemums.

Stock plants of the leading and standard sorts. Write for prices.

H. WEBER & SONS, Oakland, Md.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

Asparagus Plumosus Nanus

STRONG STOCK.

2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000

S. S. SKIDELSKY,
730 Pine Street, PHILADELPHIA.
Mention American Florist.

CHEAP! CHEAP!

Chrysanthemum Stock Plants, W. and P. Ivory, Pacific, Robinson and Bergmann, $2.50 per 100, if ordered this month.....

CHAS. L. MARSHALL, 67 Merrimac St., LOWELL, MASS.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.
Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

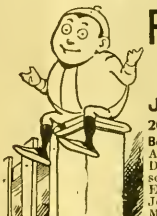
Orchids!



Just arrived in fine condition, a fresh lot of *Cattleya Mendelii*, also *C. labiata*, *C. Speciosissima* and *C. Harrisoniæ*.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

Remember us to our advertisers.



PRICES WILL ADVANCE

JAN. 1st, 1900.

20 NEW COLEUS. They are Beauties—Dr Nelson, Dr. Anderson, Dr. Erickson, Dr. Peterson, Dr. Stevenson, Dr. Osmunson, Dr. Emerson, Dr. Olson, Dr. Johnson, Dr. Pattison, Dr. Matterson, Dr. Davidson, Dr. Carlson, Dr. Wilson Dr. Thompson, Dr. Siverson, Dr. Willimson, Dr. Jackson, Dr. Koutson, Dr. Furgeson. The 20 Drs. for $1.00. or $4.00 per 100.

COLEUS STANDARD.

South Park Gem, Carsiour, Queen Victoria, Crimson Bedder, Black Bird, Cri-t Beauty, John Good, Rainbow, Moonbeam, Hiawatha, George Simpson, Varnal Beauty, Emp of Germany, Emp. Victoria, Princess Irine, and ten others just as good. 2¼-inch pots, $1.50 per 100.

Rooted Cuttings, 40 varieties, 50c. per 100.

Unrooted Cuttings, 60 varieties. 25c. per 100.

PETUNIAS—10 varieties of Dreer's, 2 varieties from Australia, 9 varieties from France, 4 varieties from Germany, 5 varieties from Richard, over 30 varieties all mixed together, 2¼-in., $2.00 per 100.

	Per 100
Feverfew, Little Gem, 2¼-in	$1 50
" Golden Leaved, 2¼-in	1.50
Velvet Plant, 2¼-in	1.50
Geranium Harmine and La Favorite, 2¼-in	1.50
Hardy Pink Clumps	2.00
Pansy Plants, $3.00 and $4.00 per 1000.	
Primula Chinensis, 3 in	3.00
" from flats	.75
Primula Obconica, 3½-in	3.00
" 2¼-in	1.50
Forget-Me-Not, winter blooming, 2¼-in	2.00

BEGONIAS, Flowering—White Rubra, Augusta, Galatea, Sandersoni, Semperflorens Rosea, Fuchsiaes, Fucheoids, Red Vernon, Erfordii Pink, and 10 other varieties, in small lots, all 2¼-in., $1.50 per 100.

CANNAS—Florence Vaughan, Australia, A. Bouvier, Mme. Charatt, Mme. Crozy, Statia, and 10 others, all mixed together, single eyes, $1.00 per 100, $5.00 per 1000.

Mesembryanthemum Erectum, Basket Plant, r. c., $1 per 100. California Moss, r. c., $1 per 100; Cigar Plant, 2¼-in., $1.50 per 100; Alternanthera, 4 colors, yellow, red, pink and large leaved variety 2¼-in., full of cuttings, $2 per 100, $18 per 1000; 2¼ in., $1.50 per 100, $12.50 per 1000; Unrooted Cuttings, 4 varieties, 25c. per 100, $2 per 1000, $8 per 5000, $15 per 10,000.

Lycopodium Dent, 2¼-in., $1.50 per 100; Iresines, 2 colors, 2¼-in., $1.50 per 100; Dusty Miller, 2¼ in., $3 per 100; Golden leaved Feverfew, r. c., $1 per 100.

R. C. CARNATIONS READY.

G. H. Crane, 1899	$6.00	per 100
Glacier, 1899	4.00	"
Argyle, 1898	2 00	"
Empress, 1898	1 50	"
Bon Ton, 1898	1.50	"
Maud Adams, 1899	4 00	"
Daybreak	1.50	"
Morello	1 50	"

☞ We are now booking orders for 1900 varieties, and all other good ones for future delivery.

Large orders from above plants. We ask for list to estimate. Prompt shipments or money returned by next mail.

CASH.

W. H. MURPHEY, - Minooka, Ill.

Please mention the American Florist when writing.

CHOICE STOCK

For CHRISTMAS Trade

	Per 100
CYCLAMEN, 4 colors, 2¼-in. pots	$5.00
ASPARAGUS SPRENGERII, 2¼-in, extra strong	6.00
" " 3-in. pots, very large,	8.00
PRIMROSES (Chinese), 3-in. pots	5.00
" " 4-in. pots	8.00
" " 6-in. pans....$3.00 per doz.	
" (Obconica grandiflora and hybridum), same size and price as Chinese Primroses. All in bud and bloom.	

NATHAN SMITH & SON, Adrian, Mich.



LATANIA BORBONICA.

PALMS.

Varieties	Size Pot	Height Inches	Char. Leaves	Each	Per Doz
Latania Borbonica	2-in.				$.50
Latania Borbonica	3 "				1.50
Latania Borbonica	4 "				3.00
Latania Borbonica	6 "	18-22	5-7	$.75	9 00
Latania Borbonica	8 "	28-30	7-8	1.50	18 00
Latania Borbonica	8 "	28-34	7-8	2 50	30.00
Latania Borbonica	9 "	30-36	8-9	3.00	36.00
Cocos Weddeliana	3 "	14-18	4-6	.25	2.00
Cocos Weddeliana	4 "	three plants in pot			5.00
Cocos Weddeliana	5 "	"	"	"	6.00
Cocos Weddeliana	6 "	"	"	"	10 00
		Height	Leaves	Each	Doz
Kentia Belmoreana	3 "	5-7	3-4	.25	2.00
Kentia Belmoreana	3 "	8-10	4-5		3.00
Kentia Belmoreana	6 "	20-25	5-7	1.50	18.00
Kentia Belmoreana	7 "	34-38	6-7	2.50	30.00
Kentia Belmoreana	8 "			3.25	
Kentia Belmoreana	10 "			8.00	
Kentia Forsteriana	5 "	25-28	4-6	1 00	12 00
Kentia Forsteriana	6 "	26-30	6-8	1 50	18.00
Kentia Forsteriana	7 "	36-40	5-6	2 50	30.00
Kentia Forsteriana	10 "	three plants in pot			8 00
Livistonia Rotundifolia	3½-in.				3.00
Livistonia Rotundifolia	5-in.				9.00

The Latania is largely used for purposes of decoration. Although its place has, in a measure, been taken by the Kentia, it still is in lively demand. Our stock is in a fine, clean condition. We have now growing for next year's trade not less than 100,000 of these desirable palms.

Geo. Wittbold,

PALMS AND FERNS.

1708 No. Halsted St., ...CHICAGO.

FERNS.

Varieties	Size Pot	Price per Dozen	Price per Hundred
Cyrtomium Falcatum	4 inch	$2.00	
Pteris Serrulata	2 "	.50	$4.00
Pteris Serrulata Cristata			4.00

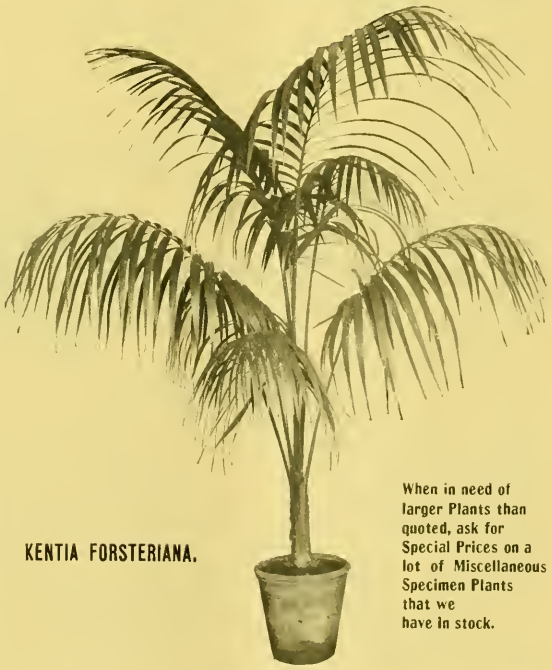
Miscellaneous.

Varieties	Size Pot	Height Inches	No. of Tiers	Price Each	Price per Doz
Araucaria Excelsa	5 "	18-20	3-4	1.25	15.00
Araucaria Excelsa				1.50	18.00
Araucaria Excelsa	7 "	36-38	6-7	2.50	30.00
Ficus Elastica	5 "	16-18		.50	5.00
Ficus Elastica	6 "			.75	9.00
Ficus Elastica	7 "			1.00	12 00

	Size.	Dozen.	Per 100.
Asparagus Plumosus Nanus	2-inch	$0.50	$4.00
Asparagus Plumosus Nanus	3 "	1.00	8.00
Asparagus Sprengerii	2 "	.50	4.00
Cyperus Alternitolius	4 "		8.00

Peperomia Argyrea, 3-inch pots	dozen,	$1.50
Dracæna Fragrans, 4-inch pots, fine plants	"	3.00
Dracæna Fragrans, 5-inch pots, fine plan s	"	5.00
Dracæna Fragrans, 6-inch pots, fine plants	"	9.00
Sanseviera, Jav. var., 4 inch pots	"	2 00
Sanseviera, Jav. var., 3-inch pots	"	1.50

The demand for KENTIAS has increased wonderfully and they must be counted among the indispensable articles of the Ornamental Plant Business. We devote much space and the most careful attention to Kentias, and always have a large and vigorous stock on hand.



KENTIA FORSTERIANA.

When in need of larger Plants than quoted, ask for Special Prices on a lot of Miscellaneous Specimen Plants that we have in stock.

Keene, N. H.

Disagreeable weather did not deter a large gathering at the establishment of Ellis Bros. to witness the illumination of their houses and grounds at the close of their second annual exhibition. The firm has eleven houses, some 25,000 feet of glass, of modern construction. The illumination was accomplished by using over 1,000 candles, while the grounds adjacent to the houses were lighted by Chinese lanterns, making a novel and pleasing effect. Guides were stationed about the houses to explain to many an interested visitor the habit and growth of the various plants. The most brilliant show was the chrysanthemum house, well filled with its mass of blooms. The color effects under the lights were really fine. The rose house also presented an attractive appearance, with a fine crop just on. Several houses devoted to carnations are looking well, with a good crop coming on. The remaining houses are devoted to the stock usually found in a retail place.

An exhibition of this kind may be a novelty to a good many growers but has much to recommend it to the trade. This is the second show held by this firm, who find it a splendid advertisement. TAP.

SHAMOKIN, PA.—Two of the greenhouses of Joseph Harris were destroyed by fire December 7, entailing a loss of $1,500.

COLUMBIA, S. C.—August Becker is foreman for A. Stark, Jr., who is starting into business with excellent prospects. Two houses are soon to go up, with boiler shed and accessories.

TULIP BULBS

IN PRIME CONDITION.

Single or double mixed, from named sorts.

Per 1000, - $3.50
Per 10,000, - $30.00

This is a genuine bargain. ORDER QUICK.

VAUGHAN'S SEED STORE,
84-86 Randolph Street, **CHICAGO.**

THE EARLIEST
CARQUEIRANNE BULBS!
in ripe perfection and of the highest quality.

Roman Hyacinths,
Narcissi, Freesias, Etc.

Write for lowest quotations direct from the grower.

A. BERNARD, Carqueiranne (Var) France.
Please mention the American Florist when writing

Hydrangeas
FOR FORCING.

OTAKSA. THOS. HOGG.

Fine, strong stock, with 4 to 6 crowns, $10 per 100; $90 per 1000.

JACKSON & PERKINS CO. NEWARK, NEW YORK.

Traendly & Schenck Still Maintain

THE SUPREMACY IN HANDLING THE VERY BEST.

SPECIALS in Beauties, 'Maids, Brides and all other Roses.

OUR BULBOUS STOCK is the best produced; Valley, Narcissus, Romans, Etc.

GOOD VIOLETS AND GOOD CARNATIONS.

We ship all over and select only fresh stock.

GOOD GROWERS KNOW IT.
BUYERS MUST KNOW IT.

TRAENDLY & SCHENCK,

Telephone 270 Madison Square. 38 W. 28th St., NEW YORK CITY.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY			
30-36 in. stem	per doz.	$12.00	
24 "	"	9.00	
20 "	"	7.50	
15 "	"	5.00	
12 "	"	3.50	
8 "	"	2.00	

METEOR	per 100	$15.00
BRIDESMAID	"	15.00
BRIDE	"	15.00
PERLE	"	8.00 to 12.00
CARNATIONS	"	4.00 to 5.00
" Fancy	"	6.00

Quotations subject to change without notice. All other stock at lowest market prices.



WIBOLTI'S "SNOWBALL."

GENUINE DANISH SEEDS
ONLY DIRECT FROM
R. WIBOLTT, Seed Grower,
NAKSKOV, DENMARK.
SPECIALTIES: Cabbage Ball Head and Cauliflower Wibolti's Snowball.
Awarded highest prize St. Petersburg, May, '99.
LILY OF THE VALLEY PIPS.

Please mention the American Florist when writing.

Begonias, fine bulbs, separate colors, sgl. and dble., $5.00 per 100
GLOXINIA, fine bulbs, $5.00 per 100.
LILIUM LONGIFLORUM, Japan, 6-8, $3.50 per 100.
WINDSOR FLOWER SEED CO.,
No. 2 Milwaukee Ave. DETROIT, MICH.
Please mention the American Florist when writing.

PLANTS. **..PANSIES..** SEEDS.

....THE JENNINGS STRAIN....
Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100: by express, $4.00 per 1000; 5000, $17.00. White, same price.
Seed of above, $1.00 per pkt.; $5.00 per oz.
CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.

SEND for our NEW list of stock of plants for EASTER Forcing. (California grown flower seeds). Ready January: Asparagus Sprengeri seed, 100, 75c; 1000, $6.00. Asparagus plumosus nanus seed, 100, $1.25; 1000, $10. Latania borbonica seed, 100, 40c; 1000, $2.50. Pandanus utilis, 100, $1.25; 1000, $10. Cocos Weddeliana, 100, $1: 1000, $7.50. NOW Ready: Tuberous Begonias, finest strain, single, in five separate colors, doz., 50c; 100, $3; double, doz., 75c; 100, $5. Extra large bulbs. Smaller bulbs 10 per cent less. Gloxinias, doz. finest bulbs, 50c; 100, $3. Address
H. H BERGER & CO., 47 Barclay St., NEW YORK.

Fern Balls.

For spring delivery must be ordered now.

VREDENBURG & CO., Rochester, N. Y.

Our Brand of

SELECT ...HOLLY

is $5.00 a case.
Two cases for $9.00.

It is more profitable to buy than the loosely-packed, unselected rubbish noisily offered at a few cents less, for our cases contain 25 per cent more Holly and the quality is uniform from top to bottom.

If you want it, don't wait till to-morrow, but place your order NOW.

N. F. McCARTHY & CO.,

84 Hawley Street,

Telephone 734. **BOSTON, MASS.**

All Florists' Supplies.

Please mention the American Florist when writing.

HIGH GRADE CHRISTMAS GREENS,

HOLLY.

ENGLISH and AMERICAN MISTLETOE,
LAUREL, PINE and
HOLLY WREATHS and
FESTOONING, SOUTHERN SMILAX,
NEEDLE PINES, PALMS and
MAGNOLIA FOLIAGE.

Order now while you have time. We will suit you as to...

Perfection, Price and Promptness.

Welch Bros.,

Telephone 2161 Boston. 15 Province St., BOSTON, MASS.

EVERGREEN WREATHING

XMAS TREES

HOLLY AND GREEN WREATHS
NEEDLE PINES
PALMETTOES, ETC., ETC.

Special facilities for prompt execution of telegraph orders.

W. W. BARNARD & CO.,

161 and 163 East Kinzie Street, CHICAGO.

TO CLOSE OUT for want of room, the following plants, ready for a shift.

		Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.	$8.00	
1000	"	2-in.	5.00	45.00
5000	Pteris Tremula	"	2.50	20.00
2000	" Ensifolia	"	2.50	20.00
2000	" Serrulata Max	"	"	"
3000	" Longifolia	"	"	"
3000	" Serrulata	"	"	"
2000	" " Compacta Nana	"	3.00	25.00
1000	" Onardia	"	2.50	20.00
1500	Nephrolepis Bostoniensis	2½-in.	5.00	40.00
2000	" Cordata Compacta	"	4.00	35.00
2000	" Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

PANDANUS VEITCHII.

Extra fine stock in 6-inch pots, $1.00 each.

Cannas in all the leading varieties at lowest rates if ordered now.

Carnation Cuttings ready soon.

W. W. COLES, - Kokomo, Ind.

HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**

The Exotic Nurseries, **DAYTON, OHIO.**

BOSTON FERN...

2½-in., $5.00 per 100; | 8 and 10-in. pans, from 5 " -in., 50.00 per 100. | 75c. to $1.50 each.

Nephrolepis Cordata Compacta, 2½-in., $5.00 per 100, 8 and 10-in. pans, fine, $1.00 to $1.50 each.

Geraniums, S. A. Nutt, etc., rooted cuttings from soil, $1.50 per 100, $15.00 per 1000.

Asparagus Sprengerii, 2½-in., $5.00 per 100.

CASH PLEASE. **CARL HAGENBERGER, W. Mentor, O.**

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

McFADDEN OFFERS

ADIANTUM FARLEYENSE. We are headquarters for this most beautiful of all Adiantums.

2-inch pots.....$10.00 per 100
3-inch pots.....$3.00 per dozen, 20.00 per 100
4-inch pots..... 6.00 per dozen, 40.00 per 100
5-inch pots..... 9.00 per dozen.
6-inch pots.....15.00 per dozen.

EMERSON C. McFADDEN,
Wholesale Florist & Seedsman, SHORT HILLS, N. J.

GERANIUMS Richard Dietl, Beaute Poitevine, Mrs. E. G. Hill, Wonder, Brusantil, Marguerite de Layers, $20 per 1000; 2½ in. pots of the same, $30 per 1000. $3 25 per 100. S. A. Nutt, La Favorite, Jas. Garr, Double Grant and several other good bedders, $15 per 1000; 2½-in. pots, $22 per 1000, $2 50 per 100.

Rose Geraniums, $2.00 per 100.

Skeleton Rose, $2.00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1 50 per 100 + olens in variety, $5 per 1000, 60c per 100; 2-in pots, $1.25 100.

AGERATUM, Blue and White, 75c per 100. Princess Pauline, $1.00 per 100.

GIANT ALYSSUM, $1 00 per 100

SALVIA, Splendens and Bedman, $1.25 per 100.

HELIOTROPE, 6 varieties, named, $1.00 per 100.

CUPHEA (Cigar Plant), $1 00 per 100.

FUCHSIAS, $1.50 per 100; 2½ in. pots, $3 00 per 100.

The above are rooted cuttings, except when noted.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

HOLLY. HOLLY.

Get our prices on Holly, as we are going to sell Choice Delaware Holly at prices that defy competition; it is of dark foliage, well berried and with dark green leaves.

Also Galax Leaves, Mistletoe, Running Cedar, Laurel Roping and Decorative Greens at low prices. Orders of 5 cases or more at jobbers' prices. Special Express and Freight Rates.

A. K. SAVACOOL, Lewes, Del.

Milwaukee.

PROSPECTS FOR CHRISTMAS.—MOST LINES SELLING CLEAN NOW.—PROSPECT FOR A SHORTAGE.—FOUNTAIN IN BUSINESS IN SEATTLE.

This season is encouraging although it is quite evident that every one will not be satisfied. Most flowers are selling clear now. The principal growers who supply this locality have been painstaking and have a better prospect for high grade flowers than usual at this season. The sun, over which they have no control, will determine whether orders can be filled completely or in part. Stevia of high grade is quite popular and those who grow it will fill contracts, but with none to spare. Cypripediums, poinsettias, begonias and primroses and the bulbs in pots are mostly engaged now. Florists are booking orders for holly and Alabama smilax to a larger amount than usual. Smilax is scarce.

Fred Fountain, once a popular florist at Racine, Wis., and well known throughout the state, after spending a few years in Hamilton, Wis., in mercantile business, has returned to the florist trade, opening a store at 1232 Jackson street, Seattle, Wash. C. B. W.

ALTON, ILL.—Rock Spring Park is to have a commodious greenhouse for the propagation of bedding plants.

DAYTON, O.—J. B. Heiss reports that the wholesale palm trade has been unprecedented this year and that the prospects are for the biggest Christmas on record. Cut flowers are apt to be in short supply, especially carnations and violets, and palms are already moving lively, the favorite sizes being those which retail at from $2 to $5.



NOVELTIES FOR 1900.

HIBISCUS PEACHBLOW.

This is one of the finest plant novelties offered in recent years. The flowers are double and from 4 to 5 inches in diameter. Color a clear, rich pink with a small, deep crimson center, an entirely new and most beautiful shade. 2½-inch pot plants, per dozen, $1.50; per 100, $10.00. March.

AGERATUM STELLA GURNEY.

The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen, $1.25; per 100, $8.00. March.

VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.



3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."

IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other. Large clumps, ready to divide, $5 per 100 or 25 for $1.50 by express. Smaller ones by mail prepaid, same price. A few hundred EXTRA LARGE CLUMPS, $10 per 100, $1.50 for 12.

ASPARAGUS SPRENGERI 2½-inch, fine, $4.00 per 100; 3½-inch $7.00 per 100.

A BARGAIN. Fine 6-inch pots, will give lots of green, 25 for $5.00; 12 for $2.50.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

THE LACE FERN, POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

THE ORANGE VIOLET. (Browallia Jamesoni). Fine plants 3½-inch pots $1.25 per 12, express.

THE GENUINE EDELWEISS OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years*. Fine as a souvenir to your customers. 10 for $1, 25 for $2, mailed free. Send for sample flower.

A. BLANC, PHILADELPHIA, PA.

Force! Force! Force!

	Per 100
SPIRAEA Japonica	$3.50
" Compacta	5.00
" Astilboides floribunda	5.00
" Japonica aurea reticulata	5.00
Extra fine and decorative.	
PAEONIA Officinalis rubra pleno	10.00
This is the true dark crimson variety, the earliest flowering Paeonia in existence, and the only one good for forcing.	
	Per 1000
LILY OF THE VALLEY, selected pips, (German)	$12.00
GLADIOLUS Colvilli The Bride	4.00
" " Rubra	4.00
" May per 100, $2.50,	20.00

Pure white, finely flaked rose, the best for greenhouse planting.

Bobbink & Atkins,

RUTHERFORD, N. J.

Please mention the American Florist when writing.

Verbenas.

75,000, all standard named sorts, much superior to the home made named seedling often sent out. Gauranteed all true to name.

REDUCED PRICES.

Rooted Cuttings, well rooted

60c. per 100; $5.00 per 1,000; 5,000 for $22.00
10,000 for $40.00; 25,000 for $75.00.

In larger lots, write for prices.

We don't care where you live—guaranteed to reach you in good shape. Sent Prepaid.

Send for Price List of Other Stock.

S. T. DANLEY

MACOMB, ILL.

PANSIES

FINE PLANTS. Large Flowing Strain, 50c. per 100, $2.50 per 1000.

PANSY SEED. Non plus ultra, $4.00 per ounce. CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.

WOOD BROTHERS, FISHKILL, N.Y.

Tell them where you saw the ad.

IMPORTANT.

Every retail Florist should have our descriptive wholesale price list of SPECIALTIES, there is money in it for every man in the trade, a few of the good things mentioned below.

VERBENAS, 20th Century set 32 grand mammoth varieties selected from over 100 of the choicest, including the latest Capt. Dreyfus, Helen Gould, Melba and many others. Clean, healthy, vigorous plants of the most fascinating colors and shades. Extra strong 2-in. full of cuttings $2.00 per 100, $18.00 per 1000; extra strong rooted cuttings 60c. per 100; $5.00 per 1000.

DBL. FRINGED PETUNIAS Dreer's and Henderson's latest, known the world over as the standard of perfection, 12 gorgeous varieties. True to name. Extra strong 2-in. $2.00 per 100, $18.00 per 1000; extra strong rooted cuttings, $1.00 per 100, $8.00 per 1000.

NEW GIANT CALIFORNIA WHITE MARGUERITE and New Golden; they sell on sight, extra strong 2½-in. $2.50 per 100; extra strong rooted cuttings, $1.00 per 100.

SALVIA SPLENDENS, the old stand by, no other so good. Extra strong 2½-in. $2.50 per 100; extra strong rooted cuttings, $1.00 per 100.

AGERATUM PRINCESS PAULINE, the great novelty of '98, the only one to grow. Extra strong 2½-in. $2.50 per 100; extra strong rooted cuttings, $1.00 per 100.

VINCAS, MAJOR AND VARIGATIA, extra strong rooted cuttings, $1.00 per 100.

1000 BRIDESMAID ROSES, strong 2½-in. and 3-in., $2.50 per 100, $20.00 per 1000.

SMILAX SEEDLINGS, extra strong, bushy plants (seed sown August 1st), 50c per 100; $4.00 per 1000 by mail. Extra strong, 2½-inch, 2c. Six foot strings, 12½c.

TERMS STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

"NOT A CENTURY PLANT, BUT THE PLANT OF THE CENTURY"

is Begonia

GLOIRE DE LORRAINE

Our plants are fine and in very thrifty condition.

$3.50 per doz., $25.00 per 100.

Our stock is sportively inclined. We already have a delicate pink variety and one with partly white flowers.

EDWIN LONSDALE, Chestnut Hill, ...PHILA. PA.

A SMALL QUANTITY OF

FANCY CYCLAMEN FOR SALE

6-inch.....$ 6.00 per dozen
7 inch..... 15.00 "
8-inch..... 18.00 "
(16 to 20 inches diameter.)

All in good bloom and splendid shape.

KALOUS BROS. Cor. Drake Ave. & School St., Station G, CHICAGO, ILL.

Tell your wants in the American Florist

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate,	$4.88	120 7-in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	5 00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.61	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents
52 DEY STREET, NEW YORK CITY.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.

STANDARD FLOWER POTS

FIRST QUALITY.		CREAM COLOR.	
1¾ in., per 1000	$2 40	3½ in., per 1000	$ 4 95
2 in., "	2 75	4 in., "	6 20
2½ in., "	3 35	5 in., "	10 80
3 in., "	4 70	6 in., "	16 50

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.

Standard Pots

Made by **KELLER BROS.**

Good Railroad Facilities For shipping.
Special Attention Given to Mail Orders, and Special Sizes Made to Order.

NORRISTOWN, PA.

Price Lists Furnished on Application.

FLOWER POTS

ALL KINDS.

STANDARD POTS

A SPECIALTY

List and SAMPLES FREE.

J. G. SWAHN'S SONS, P. O. Box 78, MINNEAPOLIS, MINN.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

Kift's Adjustable Hanging Flower Vase and Plant Holder.

Ornamental, practical and useful; just the thing for short-stemmed flowers such as violets, orchids, valley, etc. Indispensable for show window and house decorations. The clasps are adjustable and can be placed in any position or angle. The fixture is made of solid brass, heavily nickel-plated and is practically indestructible. A larger size for five to six-inch potted plants, such as Adiantum Farleyense, Cyclamens, etc., shows these plants to the best possible advantage.

Kift's Individual Cut Flower Vase...

A pointed glass tube fitted with a perforated rubber cap, through which the stem of the flower is placed. The cap holds the vase and the flower firmly together and prevents the escape of water in the tube, no matter at what angle it is placed. Useful for keeping flowers when sprayed on dinner tables, for basket handles, for orchid sprays which can be inserted in pots of Farleyense, etc., and is useful for hosts of decorative effects.

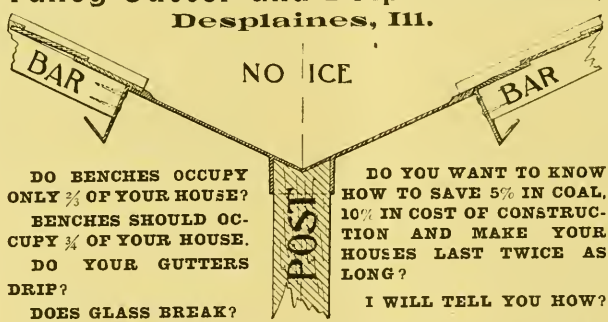
WRITE FOR CIRCULARS AND PRICES.

ROBT. KIFT, - 1725 Chestnut Street, Philadelphia, Pa.

Please mention the American Florist when writing.

GARLAND'S Valley Gutter and Drip Conductor,

Desplaines, Ill.



DO BENCHES OCCUPY ONLY ⅔ OF YOUR HOUSE? BENCHES SHOULD OCCUPY ¾ OF YOUR HOUSE.

DO YOUR GUTTERS DRIP?

DOES GLASS BREAK?

DO YOU WANT TO KNOW HOW TO SAVE 5% IN COAL, 10% IN COST OF CONSTRUCTION AND MAKE YOUR HOUSES LAST TWICE AS LONG?

I WILL TELL YOU HOW?

TWO FEET SPACE UNDER GUTTER WILL NET YOU $50.00 PER YEAR.

PATENTED DEC. 27, 1898.



An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.



Omaha.

ENCOURAGING OUTLOOK FOR THE HOLIDAYS.—STOCK IS SCARCE.—CHRYSANTHEMUMS DISAPPEAR.—GREENS IN GROCERIES.—JOTTINGS.

The outlook is for a good Christmas trade, as cold weather has set in and people will now appreciate blooming plants and cut flowers. Flowers will be scarce, but not more than in former years. Beauties and violets will be the especially short items. Roses and carnations are of good quality. Bulbous stock is plentiful. Chrysanthemums are all gone and none could be had after Thanksgiving. In blooming plants the florists are well stocked with azaleas, primulas, and poinsettias. The latter sell well if grown with three to four flowers to a plant. Holly and green are remarkably cheap and the grocery stores are full of them, to the disadvantage of the florist; in fact, it is hardly worth while for a florist to handle them.

C. H. Frey and E. Eider, of Lincoln, were recent visitors. They report a good business and are shipping in some fine carnations and violets.

The Douglas County Agricultural Society has elected E C. Erfling a member of the board of directors. GRIPPE.

ST. PETER MINN.—The new 100-foot greenhouse at the state hospital is completed. The structure is valued at $2,500 and was built by the labor of the interested patients.

PIPE FOR HOT HOUSE HEATING.

We areconstantly supplying boiler flues of a second-hand nature but which are practically as good as new, to be used as pipe for hot house heating and other purposes.

We guarantee it to be in first-class condition, uniform size and we can make very interesting prices. We carry in stock at all times **Florists' Supplies** of every kind, and can save you from 30 to 50 per cent.

WRITE for our catalogue No. 47. We have just purchased the Omaha Exposition and and are in possession of over $10,000.00 worth of plants. Description and list furnished on application. Also sundry other material which we will close out at low prices.

CHICAGO HOUSE WRECKING CO.
35th & Iron Sts. - - - CHICAGO, ILL.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS- ENDORSED BY PROMINENT FLORISTS- USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT- 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ~~~~CIRCULAR FREE~

SKABCURA DIP CO. CHICAGO.

Kill and Save the Blooms Bugs!

QUICKLY DOES IT.

BONE MEAL

Made for my own use and for other florists who are looking for something good.

TRY A BAG NOW.

ALBERT M. HERR, Lancaster, Pa.

GREEN-HOUSE CONSTRUCTION.

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars or Estimates.

LOCKLAND LUMBER CO.
LOCKLAND, OHIO.

H. M. HOOKER COMPANY.

COR. CLINTON and RANDOLPH STS. CHICAGO.

GREENHOUSE GLASS

OUR SPECIALTY.

LARGE STOCK ~~~~ PROMPT SHIPMENT.

ALSO MANUFACTURERS OF **Pure Linseed Oil Putty, Paints, Brushes Etc.**

WRITE FOR LATEST PRICES.

Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of ½c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.



Send for Descriptive Circular and Price List.

Lehman Bros., Manufacturers,
10 Bond St., NEW YORK.

JAMES W. ERRINGER,
Gen. West. Sales Agent,
297 Wabash Ave., CHICAGO.

FLORISTS' SUPPLIES. NEW LIST FOR 1899 IS OUT and will be mailed on application.

CYCAS LEAVES. OURS RIVAL THE BEST IN THE MARKET. 16-19 in $1.20; 20-23 in. $1.40; 24-27 in. $1.60; 28-31 in. $1.90; 32-35 in. $2.20; 36-39 in. $2.50; 40-43 in. $3 the doz. leaves. Note the reduction.

IMPORTED METAL DESIGNS, just received, latest attractive styles, from 35 cts. upwards.

AUGUST RÖLKER & SONS, 52 DEY STREET, NEW YORK.



THE KINNEY PUMP.

For applying Liquid Manure it has no equal! Sent prepaid for $2.50. Without spraying valve $2.00.

Address The HOSE CONNECTION CO. KINGSTON, R. I.

REAL ESTATE.

Land with or without greenhouses, in different parts of the United States. Bargains can be had and opportunities opened for profit. Write for particulars and state your requirements.

SMITH & SMITH,
345 Sixth Ave., Pittsburg, Pa.
Brokers in Real Estate, Glass, Pipe, Boilers, Etc.

M. RICE & CO.

ARE EXCLUSIVE IMPORTERS AND MANUFACTURERS OF

FLORISTS' SUPPLIES.

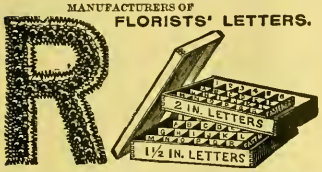
Moss Wreaths, Baskets, Wheat Sheaves, Doves,
Grasses, Immortelles, Pot Covers, Metal Designs,
Chenille, Plateaux, Cape Flowers, Lace and Paper Handkerchiefs.
Prepared Palm Leaves, Pedestals, Palm Plants, Etc., Etc.

CATALOGUE FOR THE ASKING.

M. Rice & Co., 918 Filbert St., Philadelphia, Pa.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.

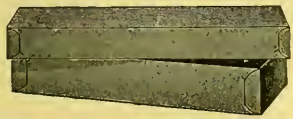


This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1¼ or 2-inch size, per 100, $2.00. Script Letters, $4. Fastener with each letter or word. Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,

DAYTON, OHIO.

The Philadelphia Wire Works.

HENRY RAJSIK, Proprietor.
Manufacturers of all kinds of

WIRE GOODS For Florists' Use.

ANY FLORAL DESIGN AT SHORT NOTICE.

807-809 No. Fourth St., PHILADELPHIA, PA.

NEW WHOLESALE PRICE LIST OF.....

Florists' Supplies

now ready. ∴ Western Florists will save money by buying in Denver.

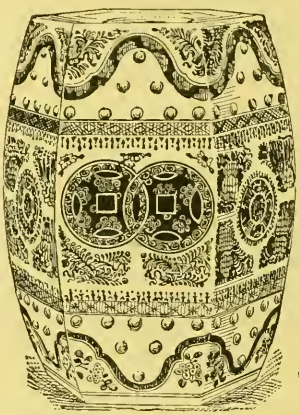
COLORADO SEED STORE,
BARTELDES & CO., DENVER, COLO.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.
Send for Prices.
404-412 East 34th St., NEW YORK.
Please mention the American Florist when writing



CANTON CHINA PLANT-POT.



Canton China Hall Seat or Plant Pot Stand.

PLANT POTS AND PEDESTALS.

We invite the attention of intending buyers, or those interested in seeing the newest productions of the potter's art, to our importations of English, French, German, Japanese and Chinese **Plant Pots** or **Jardinieres**, selected by our buyers at the places of production in the present season.

They include all sizes and shapes up to the large and very large, from the lowest price up to $150, each.

Our stock of China and Glass occupies seven floors and more than 10,000 bins.

Wholesale and Retail.

Jones, McDuffee & Stratton Co.

CHINA, GLASS AND LAMP MERCHANTS,
120 Franklin Street, BOSTON, MASS.

"NICOMITE"

(PATENT)
Vapor Insecticide
POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of
RED SPIDER, GREEN FLY
and all other Insect Pests.
ASK YOUR SEEDSMAN FOR IT.
The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

John Conley & Son,

Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

IMP.

LIQUID PLANT FOOD
For Greenhouse Cultivating.
EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

REED & KELLER.....

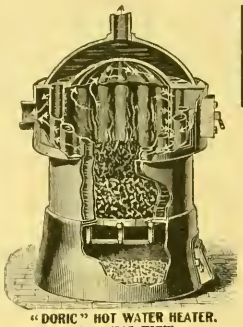
Florists' Supplies
122 W. 25th St., NEW YORK CITY.

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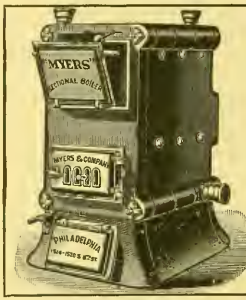
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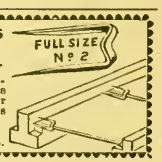
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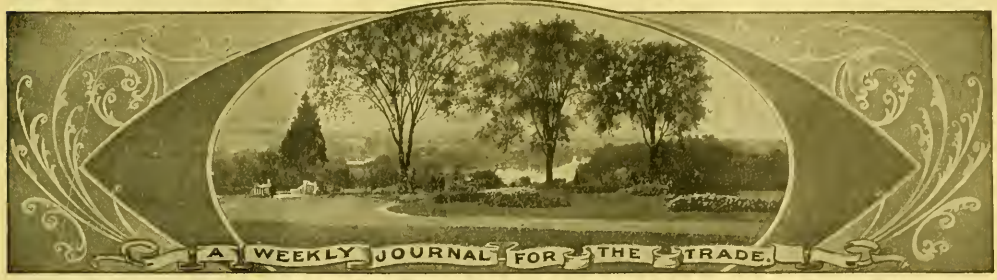
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT (to be installed January 1, 1900), E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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Some Hints About the Salesroom.

How to secure new customers and how to retain their patronage afterwards is the first consideration with any tradesman dealing direct with the public. The florist, especially, from the nature of his business, can do much to make his place inviting and the memory of a first visit there so pleasant that the caller will be influenced to come again, or he can, by careless neglect of his opportunities, as readily produce an effect directly the reverse.

What a pity it is, when we consider the possibilities our business affords for attractive embellishment of the salesroom, that in so many instances we find this place turned into a rough workroom, where possibly the first feature to catch the eye of a customer may be the unavoidable details of preparation for the construction of some grewsome funeral design. Remember that constant familiarity with anything, however revolting it may be, soon hardens a human being so that sentiment is calloused; that the physician or the undertaker can enjoy peaceful sleep or relish a good meal after attending to duties that would spoil the appetite and sleep of the ordinary mortal for a week; so, also, the florist, by reason of long association, can turn from the construction of a casket cover to a bridal bouquet with entire equanimity, while over his head hang in company the equally unsympathetic wire forms for occasions of all kinds. But how about the customer, whose days are not spent in constant companionship with these reminders of the saddest events in life? He wants, perhaps, a "true lovers' knot" as a token of joy over some happy engagement; think you he looks on with easy composure as he sees you pull down the wire form from between a broken heart and a vacant chair or listens without a shiver as, picking up the very roses you have prepared for a funeral piece, you describe to him their adaptability for that lovers' knot?

I often think that we are all wrong in giving such prominence to the funeral uses of our flowers, in associating with such scenes so constantly the sweetest of the products of our greenhouses that their very odor in the dwelling house is so distressingly reminiscent to the sensitive inmates as to be almost unbearable. It cannot be denied that funeral work is one of the main supports of our business and the largest source of revenue to many country florists, but who shall say that the use of flowers for other and more joyous occasions would not have been increased manifold were it not for this unsavory association of our business with the sorrowful side of life?

While we cannot, if we would, discourage the use of flowers to deck the dead, we can do much to keep this feature in the background, so that it will not intrude itself unnecessarily upon the public. It is not too much to say that all funeral designs should be made in secluded workrooms. And not only funeral work, but cheap design work of any kind, such as every florist is called upon to put up more or less frequently, and which does him no credit. You explain to your nice customer, when you see his look of suspicious disapproval: "Oh, this is just a cheap order; they won't pay anything for it and it uses up my rubbish," but nevertheless you and your business have fallen a point in that man's estimation. By all means make up this kind of work in the cellar or back room, anywhere out of sight. And if you will make all your design work, whether good or bad, in the same place, where the materials can be handled with freedom and the litter of wire clippings, scraps of moss, stems and butts of flowers and splashing of water can do no harm, it will be another step in the right direction. Your salesroom can then be easily kept in such a condition of dainty attractiveness that the passer cannot get by without looking in, and eventually stepping in, and it will not be long before he will make a purchase instead of waiting until some member of his family dies and then come reluctantly on a disagreeable errand.

Other things being equal, it is certain that the establishment where the greatest cleanliness, cheeriness and taste are displayed will in due time get the lion's share of the business in the neighborhood.

Chrysanthemums in Japan.

An American lady in Tokio, Japan, has sent to her friends in this country a very entertaining account of the home of the chrysanthemum, its people and their customs. Among other matters reference is made to our favorite autumn flower, and we are indebted to E. G. Hill, of Richmond, Ind., for permission to print therefrom the following descriptions of a chrysanthemum exhibition and one of the finest private collections of these plants in Japan:

"Last Wednesday we went to Dangozaka to see the famous chrysanthemum show. Dangozaka is a park in the city, about six miles from here, full of interesting temples, trees, etc., but the most

attractive thing at present is the street. All along down this lane or street are side shows, admission to which costs five cents, and there one finds all sorts of legendary history carried out in chrysanthemums. There are wire forms, for instance, of a man, woman, boat, house, etc., and the chrysanthemums are trained from the beginning over these wire forms. The roots being inside, the dress, for example, of a woman, sleeves, sash and all, are one mass of color, and at a distance look like changeable silk. Very small kinds are used, but in all colors imaginable. The forms are all life size. For instance, one very fine figure was that of a Japanese warrior slaying a mammoth dragon, all in flowers except the face and hands, which were of wax. In one place they have represented the famous waterfall at Nikko all in white chrysanthemums, and the spray and waves at the foot of the fall are almost perfect. Then there was a big boat, all of the flowers, in big waves, with life-size figures in it, and the whole thing, figures and all, worked by machinery. A man sat down and told the history of all these things. All I can say about it is very far short of the reality. No one can form any idea of the real ingenuity of these people, unless one really sees it. The individual flower they do not care for; it is the way they can train them that receives their admiration."

Referring to the gardens of Count Okama the writer continues: "The entrance to the grounds is beautiful, such hedges, such trees were never trained in America, such picturesqueness was never seen out of Japan. I cannot go into detail, but will try to tell about the chrysanthemums. The plants are in sheds of a sort made of bamboo and immaculately clean and tidy. There were six sheds altogether, one devoted to wild chrysanthemums entirely, one to those that are trained up to bear one flower only, but not one kind anywhere near equals those we have seen in Mr. Hill's greenhouses. Count Okama's secretary says they care least for that part of the cultivation of these plants. Each flower is on a wire frame and the petals all combed out on the frame. In one shed were three plants, a white ragged kind and two red ragged ones; they are trained in a wire frame, and one plant has over a thousand blooms, each bloom is at the end of a single stalk, and all this from a single root. It is fully fifteen feet across. In fact, a short distance off it looks like one mammoth bouquet of flowers, or rather like one big flower. The flowers themselves all are about the size of the palm of the hand. Another shed has each plant trained to fourteen blooms arranged as a picture; they are rare kinds and the plants are raised in back and in diagonal rows. It is a beautiful sight and very pleasing after one gets used to the conventional way. Another house has one big plant and from a single root there are forty kinds and colors of flowers, all having been grafted upon the single root. It is marvelous and there is no sham about it, for one can see the root and trace the flowers. It looks like a huge bouquet of all colors and kinds. Then there were two immense balls at least four feet in diameter, each color in sections like an orage, with a bow knot of flowers at the bottom, all growing inside, but a solid mass of bloom on the outside."

MACON, GA.—The East Side Florists' and Gardeners' Club was recently organized here with D. B. Lumsden as president.

Superintendent John P. Cleary.

J. P. Cleary is the nominee of the New York Florists' Club for superintendent of the trade exhibition in connection with the S. A. F. convention. It goes without saying that the executive committee of the national society will endorse the selection and that the gentleman whose portrait appears herewith will officiate as superintendent of the exhibition of 1900, which promises to be the largest display of this character ever made. Mr. Cleary was born in Haverstraw, N. Y., in 1872, and his first horticultural experience was when he went into the employ of Wm. Elliott & Sons, in 1891, in the plant auction department. In the fall of 1896 he severed his connection with that



JOHN P. CLEARY.
Nominated by New York Florists' Club for superintendent of the S. A. F. exhibition next year.

house and in the following spring opened a horticultural auction house on his own account. He is popular, as his nomination for this important position testifies, and his success in his own business is the best augury for his future in the important office to which he has been assigned. The trade exhibition of 1900 is safe in the hands of John P. Cleary.

CARNATIONS.

WITH LONG ISLAND GROWERS.

On a recent search for information I made a trip to Long Island, and saw sights to gladden the heart of any carnation grower. At Dailledouze Bros'. one finds a range of houses that are just right to bring the very best out of a carnation plant and, coupled with the careful manner in which everything is grown, these houses bring out a little more than most of us manage to get.

The motto here seems to be to grow carnations just a little better than any one else does; then the three brothers get under the prices and give them a push and up they have to go. This is a method we might all practice to advantage; first have something that is worth a good price and then don't let go for less money. Most of us make a mistake in accepting whatever we can get for our product instead of establishing a price and sticking to it. We have to do this if our product comes into competition with the general stock on the market but when we have something that has practically no competition on account of its superior quality we should set our own price.

The Dailledouze brothers adhere to the bench method of growing carnations and claim that benches give them forty per cent more flowers than do the beds in one house which they have by way of experiment. This ratio may be reversed by the entire cut of the season but it certainly looks as if, in their case, benches are a matter of economy instead of an item of expense.

When it comes to varieties they prefer those with which the majority of growers make a failure; at least that would be the natural inference from the fact that they are growing Hector and Eldorado in quantity. Hector, with most growers, was simply no good, bursting its calyx and going to grass without making blooms, but here it is the finest-colored carnation on the place and quite good enough otherwise to place it in the special class. Eldorado shows very little rust and the stems and flowers are as nearly perfect as one could wish. White Cloud seems to be made for their soil and treatment and G. H. Crane is also quite a success, excepting that a few are being lost by stem rot. Mrs. Bradt is found very productive and gives these growers longer stems than are usual with this variety. Triumph, my favorite pink up to this season, is also well done and while those on the benches may have produced more flowers than those in the solid beds, the latter were far the finer flowers and looked quite as good as the crack pinks at last season's shows.

A number of seedlings are on trial here and, judging from their No. 666, one must expect some good things from this place in the near future, for that variety was bringing $25 per hundred flowers at the time of my visit and this was to be doubled for Christmas. The variety seems, in addition to its extreme size, to have good habit in every particular and also seems quite free in bloom, so that it gives promise of becoming a standard sort when they are ready to let it go. They are also growing J. Whitcomb Riley successfully, a lightly penciled fancy which seems to have a place in the interjacence between the whites and Mrs. Bradt. Cerise Queen is one of their pets; it has not been taken up by the general line of growers and this is, perhaps, one of the reasons why so many of them are found on their place.

After my departure from the Dailledouze establishment my next stop was at Queens, the Cottage Gardens. Here are more model houses and in addition to thorough construction there is automatic ventilation and sub-irrigation, which, with the management given by Mr. Ward, make carnations a splendid success at this place also. To enumerate varieties here would take up too much space, but we find the same results with White Cloud and G. H. Crane as at Flatbush, with the latter grown largely. As seen growing here Crane may fall a few points short of being the ideal scarlet but it certainly is ahead of everything in its class. Gen. Maceo and Gen. Gomez are, of course, grown in quantity and the amount of bloom and buds on the plants warrants the assertion that they are profitable sorts.

The seedling houses here are perhaps the greatest attraction to the carnation grower, as in them are to be found several which give promise of being the long-wanted, model white, some scarlets that promise to outclass all of the present day



PATRICK O'MARA, PRESIDENT.



A. HERRINGTON, VICE-PRESIDENT.



JOHN YOUNG, SECRETARY.



C. B. WEATHERED, TREASURER.

OFFICERS OF THE NEW YORK FLORISTS' CLUB.

scarlets, other colors without end of combination, and the grandest crimson it has been my pleasure to look upon. This variety has been named Governor Roosevelt and is head and shoulders above all competitors. In color and habit it seems just right, in size and form a little ahead of most carnations, with stem and calyx that are perfect. Coupled with all these good points is the fact that it is early in coming, looks as if it might be perfectly continuous and quite as free blooming as any other variety. Unfortunately the stock will not be on the market for a few years, but it is not likely, even with the rapid strides in carnations, to be outclassed for some time to come.

Mr. Ward, like the Dailledouze brothers, believes in growing first-class flowers and then demanding first-class prices for them, and in these two points lies the main secret of their business success. In attempting to follow their lead, however, it is well to bear in mind that the first thing is to have the class of flowers that are worth good prices, and to have these we must have good houses, good culture and good varieties.

ALBERT M. HERR.

STEM ROT.

Messrs. Card and Adams, of the Rhode Island Experiment Station, have been making quite extensive experiments in this little understood disease, which at the present time has perhaps more terrors for the carnation grower than any of the other numerous ills to which the plant is subject. The experiments were designed to show the influence of clean sand versus old sand for propagating, vigorous as against diseased cuttings, and manure versus chemical fertilizers, as influencing the prevalence of disease. Tests were also made of the use of Bordeaux mixture. The experiments were begun in the spring of 1899, some 1500 cuttings of the variety Flora Hill being used. A part of these were obtained from plants among which stem rot had been very prevalent, while the others were from healthy stock.

Although the experiments have not progressed far enough to be regarded as conclusive, certain indications are pointed out as well worthy of note. The most marked is the great importance of using fresh sand for propagating, some of the lots propagated in old sand showing losses of over one-half from stem rot. It is unsafe to dip the cuttings in Bordeaux mixture, and no special benefits seem to result from it. The experiments do not show any increase of the disease in soil fertilized with stable manure.

One of the fungi causing the disease is thought to be the same as that causing the rot of sugar beets and the damping off in other plants. It would seem safer, therefore, to avoid soil in which beets have been grown and not to use sand in which cuttings of any kind have been rooted, that is, use a new, clean lot of sand for each lot of cuttings.

The conclusions in regard to propagating sand are in accord with the practice of many of our best commercial growers and should be heeded by all. It is to be hoped that these gentlemen may be able to continue and complete their experiments.

Officers of the New York Florists' Club.

We take pleasure in presenting herewith portraits of the gentlemen whom the New York Florists' Club has selected as its standard bearers for the important year of 1900. Many of our readers are already well acquainted with them personally and many more will be before the close of the year of the great convention in the metropolis.

Patrick O'Mara, president-elect, is the well-known business manager of the plant department of Peter Henderson & Co. Mr. O'Mara is 41 years of age, having been born in County Tipperary, Ireland, October 16, 1858. At the age of eight years he came to this country and when eleven years old went to work for Peter Henderson, at first only during the busy spring season and three years later as a regular employe. From 1883 to 1887 he traveled for the firm and in 1888 Peter Henderson made him his assistant in office work. At Mr. Henderson's death he assumed the position he now fills. Peter Henderson's good judgment in the selection of men for special advancement in his employ was never better demonstrated than in the case of Mr. O'Mara. His manliness, fidelity and sound common-sense have commanded for him the respect and love of his business associates, and his keen wit, his sagacity and diplomacy make him a popular companion. It would be impossible to find in the ranks of the New York club a man combining in greater degree the requisites of a safe and popular leader and in his selection the success of the greatest year in the club's history is assured beyond question.

A. Herrington, the vice-president-elect, has been in America but four years, having come from England in December, 1895, immediately thereafter assuming the position which he still holds of superintendent of the estate of H. McK. Twombly, at Madison, N. J. His gardening career began in 1878, when he worked for four years under his father. Later he spent four years in the Royal Horti-

cultural Society's gardens at Chiswick and two years superintending the laying out of the estate of William Robinson. After a term of four years in charge of Shrubland Park Gardens, at Ipswich, he returned to Mr. Robinson and in addition to his gardening work was engaged on the staff of *The Garden*. That Mr. Herrington has in the brief period of his sojourn here made himself so well and favorably known as to be selected for so important an official position speaks sufficiently for his abilities. In placing him where they have, the New York club has gone far toward securing the cordial co-operation of the private gardener element in this section.

Messrs. John Young and C. B. Weathered have held the positions of secretary and treasurer, respectively, for many years and so faithful have they proved that their re-election each year is practically unanimous. Our readers are thoroughly familiar with their features and their characteristics through many introductions in the past. In work or recreation the visitors to New York next summer will find them "jolly good fellows."

Philadelphia.

MR. WATSON HAS A FLING AT HIS FRIENDS. —THE MATTER OF PRICES.—CRAWFORD'S AUTOMOBILE BEATS THE WONDERS OF OLD.—DAVID SCOTT REFUTES A CALUMNY. —MAULE GETS HIS CATALOGUE OFF TO THE SOUTH.—MICHELL AND THE PROOF SHEETS.—SEEDSMEN PUSHING GREENS IN LOCAL DAILIES.—RETAILERS ARE CHEERFUL.—CAMELLIAS IN FAVOR.—MAKING A MOUNTAIN OUT OF A MOLE HILL.—A MATTER OF FREE ADVERTISING.—THE QUESTION OF WHAT'S IN A NAME.

Esteemed reader, you will get no prices from Philadelphia this week, for two reasons—first, because my friend Robert is too busy to write his usual budget of news and gossip, and, second, because the present scribe don't know. For that matter what he don't know would fill a book, but he does know that if he quotes prices too low the grower will kick, and if he quotes them too high the retailer will kick, and if he should, by accident, get them just right, both might kick together with both feet at once, and might thus fall down and hurt themselves. So you see it's sometimes best not to know more than is good for you, as General Otis would say, and if you don't like it you can send a round robin to the editor. Prices are a delusion and a snare, anyway.

The sensation of the week is Robert Crawford's new automobile. It's a dandy. Battles, with his prancing grays, and Habermehl, with his proud Kentuckians and plate glass, sink into comparative insignificance before this new wonder. Robert is nothing if not up-to-date, and this new proof of his enterprise only emphasizes the claim. The wooden elephant inside the walls of ancient Troy or the German Emperor's war chariot were both eye-openers in their way, and we now have a faint idea of how the ancients felt when confronted with such wonders. Now, then, altogether: Hats off to the first automobile in the florist trade of Philadelphia. (Will yours truly get a pansy punch or a punch in the ribs for this send off? The latter, most likely.)

John Smith, late of Smith & Whitely, has gone up the Hudson on a holiday. He carries with him the best wishes of the trade here for his speedy recovery to renewed health. After his return to Philadelphia he will take a temporary position with Robert Craig & Son. It is understood to be his intention to get back to private gardening as soon as circumstances warrant.

According to latest reports David Scott was succeeding in getting up on time in the morning, and, far from being slow in that respect, as has been hinted, he is a shining example to the Craig forces. Perhaps the notion was engendered by the old calumny about a slow town. No, sir! We all rise with the early bird down here, that is, all those who don't work all night to catch up with the rush of business, or get out a catalogue to be ahead of New York, Buffalo or Chicago in catching the early trucker in the wilds of Florida.

Wm. Henry Maule mailed his first batch of catalogues on Thursday to the far south, where the bulbul or some other tropical sparrow is already piping the lay which tells of the advent of spring, while up here the snow ought to be covering tired nature in a mantle of purity, but isn't. If it had been I could have rounded off that sentence in a workman-like manner. Indeed, so far from it that I'm not at all surprised as I look up from my desk and see a dandelion blossom in the button-hole of Secretary Stewart, who has just dropped in. The said blossom was one of many that went not by the calendar in their desire to adorn the by-ways of suburban Philadelphia and show carping strangers how smart and go-ahead everything was in these parts.

Speaking of catalogues reminds me that I called on H. F. Michell the other day, and he wore a worried and care-worn look which spelled weary night vigils over refractory proof sheets. I've been there myself and know something of what that means. In the meantime the Christmas trade in plants and greens is lively, but there is probably not a great deal of money in it, as the newspapers charge "like sixty" for space, which now-a-days seems to be considered indispensable in running this line. Johnson & Stokes and Landreth are two other seed houses, both pushing the plant trade this year, the former especially having put up a lively campaign in the daily papers and street cars. Their ads are bright and catchy and ought to bring them lots of trade.

All the retail florists are apparently cheerful over this year's holiday prospects and the growers are already counting their chickens. All kinds of stock have sold well and there is very little surplus. John Westcott was as chipper as you please on Tuesday. Sales had been exceptionally good and, although prices had not advanced in comparison with other lines, the clean-up really was equivalent to a twenty per cent advance in his estimation. Robert Craig & Son had a cheerful tale to tell, also—everything cleaned up at good figures—and this is the general index of the state of trade here among the growers.

Sweet seventeen is bubbling over the white camellia which Battles has a little corner on this season and is getting about as much out of as if it were the newest of the new in flowers—and to the rising generation I suppose the camellia is as much of a rarity as if it had just "arrove" in this land of Liberty or Death—I mean Liberty or Gruss an Teplitz, of course. By the way, Messrs. Scott and Asmus need not be so scared about Death—I mean Gruss an Teplitz—it looks to me like "much ado about nothing," and half of the protestations would have been quite sufficient to squelch effectually the miserable spuriosity. But then what a glorious chance for some free advertising! I've succumbed to that temptation occasionally myself, so I suppose I should not throw stones. One can see the effect of the Galvin-Lawson crusade in this and other things. For instance, here's friend Dailledouze working the Associated Press to this effect:

NEW YORK, Dec. 16.—A new carnation grown for the purpose of rivaling the famous "$30,000 Lawson Pink," was put on exhibition in this city yesterday. It was grown by Dailledouze Bros., of Flatbush, for J. Fleischman, florist, who now has it on exhibition. The experimentation, which has taken up a year, was intended to produce a pink bloom, but the unexpected result was a white carnation striped with cerise, a combination more highly regarded by florists than the solid pink. The flower is very stiff-stemmed, has a peculiarly curly foliage, and has that fluffiness of blossom so much sought for, and produced, in the ordinary carnation, by artificial loosening and wiring. It is said that this carnation will last for from eight to ten days, and that it opens out as it grows older, instead of closing as do other flowers of the species. The present exhibit of sixty odd flowers is the first considerable output of the new plant

I suppose that now that P. O'Mara is proudly walking the quarter-deck of the New York Florists' Club he will have no time to be interested in "what's in a name." But if this should happen to catch his eye he can ring "half speed" for a minute while he reads the following extract from the *Horticultural Advertiser*, of Nottingham, England:

"Whatever our relative merits as cultivators may be, there is no question that our cousins over the water beat us in finding popular titles for their wares to catch the public eye. We are all pretty familiar with the old Erica gracilis, but we do not think it has occurred to any one here to attract the crowd by labeling a batch of it as "Heather from South Africa."

And just think how that canny and versatile Scot, Wm. Falconer, has developed since he left the sacred precincts of Picadilly to enable him to do that labeling that so excites the admiration of his erstwhile English compeers. And, for the matter of that, see how the said "W. F." has developed from his nomenclature committee days, when he was after us with a redhot poker for little things like Ball of Snow and Celandine poppies!

I hope Robert will be still busy this day week. I haven't got a whack at half the men and things this column opens to me and to be bottled up until next Easter will really be a very serious matter for yours truly. G. C. WATSON.

New York.

MORE LIKE MAY-DAY THAN CHRISTMAS.—CUT FLOWERS SHOW UNMISTAKABLE SIGNS OF AGE.—MAY BE A GLUT OF OLD STOCK.—FRESH FLOWERS IN DEMAND.—THE HOLLY SITUATION.—VARIOUS JOTTINGS.—VISITORS.

New York is at sea so far as the cut flower business is concerned. The mild, May-like conditions prevailing are so unusual at this season that all past records fail to give any precedent on which to base action regarding the approaching Christmas. But when this report has reached the eye of the reader Christmas will be practically over and its story indelibly written, so further consideration of present conditions might as well be dropped. The florists' windows are fairly ablaze with holly or ilex, ribbons and red immortelles, poinsettias, ardisias, solanums and azaleas, with a generous contrast in white lilies and heaths. Enormous quantities of green festooning have been used in exterior decoration this year on stores and buildings of all classes giving, with the many spruce trees, a very green and cheerful aspect to the thoroughfares.

Holly, up to date, has proved to be only fair in quality and moderate in

quantity received. Really good holly is scarce. It brings readily $3 50 to $5 per case in open market and it would not be surprising if it should jump to $6 before the end. At the same time there is holly, so-called, on the docks that can be bought for a shilling a case and it would be high even at that. No domestic mistletoe is seen anywhere in this market. One hundred cases of French mistletoe sold at auction on the dock at $2.37 per case; $10 per case seems to be the prevailing figure to buyers and it is none too good at that.

The most noticeable thing in the cut flower market is the scarcity of first-class, fresh, bright stock and the abundance of faded material, showing unmistakable indications of storage. The warm weather has made the stock short-lived and it is brought in apparently because it is impossible to hold it till Saturday. Judging from present facts it looks rather dubious for the flower market, at the finish, on this account. Should a wintry spell come just in the "nick of time" the result may be all right, but as yet there is no sign of such a change and wholesalers are fairly trembling at the prospect of an overwhelming avalanche of roses, carnations and violets of more or less uncertain age. Fresh-cut material in the higher grades will go all right, however, all agree, and shippers of that kind need have no fear for the outcome.

Frank Traendly has been ill with acute laryngitis for a week but hopes to be out in season to attend to the holiday business.

James Weir, Jr., is going about on crutches, nursing a broken leg.

Roman hyacinths and narcissi are overstocked badly at all wholesale places.

Visitors in town: Geo. E. Fancourt, Wilkesbarre, Pa.; Mr. Broadhead, Jamestown; G. T. Sambrook, Troy; Mrs. J. V. Clark, Nyack; P. R. Quinlan, Syracuse, and W. A. McFadden, Cincinnati.

Boston.

ALL ATTENTION CENTERED UPON THE CHRISTMAS TRADE.—WEATHER A GREAT FACTOR. — PLANT DEALERS CLEANED OUT.—EDGAR'S BEGONIA TAKES THE LEAD.—AZALEAS ARE FINE —ANOTHER PLANT OF COMMERCIAL VALUE.—CULTURAL METHOD OF ITS DISCOVERER.—MUCH HOLLY, BUT MOSTLY RUBBISH.

At present all eyes and all thoughts are turned toward the close of the week and Christmas prices and prospects for trade are the main topics of conversation and speculation. A warm, September-like December, such as we are now enjoying, is a new experience, and the views expressed regarding its ultimate effect on the product for the holidays vary greatly, so that ideas as to values of leading cut flower specialties are widely different. Regardless of whether crops are off or on, it is argued by the old heads that unless a sudden change to cold and dark weather intervenes, we can depend upon the warm sun to bring out all the stock the market will stand. A flurry was created in the American Beauty camp last week by an organized effort on the part of local growers and wholesalers handling this rose to advance its price. As usual, the retailers put up a vigorous protest and are said to have succeeded in supplying themselves at cut rates through the kindly medium of Philadelphia wholesale sources, so the upward movement received a somewhat rude repulse for the time being and the manipulators are not exactly in love with this practical demonstration of brotherly love toward the poor retailers of the Hub.

The plant dealers in this section are practically sold out on all desirable Christmas things. Local growers are, indeed, far from supplying the demand for flowering plants and a great many plants are seen in the retailers' windows that bear the ear-marks of New York or Philadelphia growers. The leading home-grown specialty is naturally Gloire de Lorraine begonia, in which Mr. Edgar takes the lead, there being, other than his, none grown here, commercially, worth mentioning. The demand for this plant is very widespread, Mr. Edgar having filled orders as far west as Montana. He finds a fine sale for small poinsettias in pans this year. Azaleas are in remarkably fine condition for Christmas, owing to the warm weather. For an early red azalea Mr. Edgar prefers Pauline Mardner to Simon Mardner as being more even in its blooming and a little more pleasing in color. He is trying some pots of lily of the valley, but as to their reception by the public it is impossible to tell till after Christmas, the retailers declining to stock up, in advance, on white flowering plants for the holiday season. Warren Ewell is elated over the remarkable demand he has experienced for azaleas, primroses and Jerusalem cherries, on all of which he is completely sold out, and Thos. W. Dee reports equal success on cyclamens and primroses, which have been called for as fast as they could be induced to unfold their blooms. Bock, Foster and others making a specialty of ferns or palms all tell of unprecedented prosperity in their line.

George McWilliam, who grew the plants of Luculia gratissima, illustrated in this journal some time ago, exhibited a specimen, bearing thirty-six flower heads, at Horticultural Hall on December 16, for which he was awarded a certificate of merit This plant was three years old, but Mr. McWilliam asserts that fine plants in 4 to 6-inch pots and bearing from two to a dozen heads of bloom may be had for Christmas from cuttings struck the previous season. We are indebted to the private gardeners for having introduced to our attention many plants valuable to the commercial florist, and it would seem that this was another instance where the commercial plant grower cannot go wrong by following the lead of the private gardener, for the lovely pink blossoms and delicious fragrance will surely make Luculia gratissima popular. Mr. McWilliam's cultural rules are very simple. The flowering wood makes good cuttings and the hard wood roots as well as any. He says it is unnecessary to waste wood in taking two-eyed cuttings, as one-eyed cuttings are just as good. They are rooted in the same place and with the same general treatment as carnations, and are watered overhead twice a day while in the cutting bed. They are potted in light sandy loam and about June 1 are planted out in the garden in a location that azaleas would do well in. About last of August they are lifted and potted moderately hard. If potted too late they do not set buds well, and after buds are set a temperature of 50° to 60° is indispensable, otherwise they are apt to drop the bud. Mr. McWilliam has no stock to dispose of, so it will be useless to write to him for any. His calanthes are in for Christmas, as usual, and are finer than ever before.

Holly sells well enough, but even the street fakir demands the privilege of peeping into corners of the case before he will buy it, so rank is some of the stuff sent here by the shippers or by some of the dealers who are trying to supply this market from a distance. Local dealers are obliged to inspect every case before sending it off to their country customers and it is becoming more of a problem every year to find sources of supply that can be depended upon as uniform in quality and honestly packed. Despite the insistence of the freight lines upon prepaid or guaranteed charges, which it was hoped would keep most of the tramp stuff out of the northern market, it is a fact that the docks and market places are obstructed with huge quantities of holly which is being sold in single case lots at figures lower than our wholesalers can buy in quantity, but as a rule the stuff is the veriest rubbish.

The closing meeting of the Massachusetts Horticultural Society for 1899 was held December 16, when final reports of the various working committees were presented. The committee on gardens awarded the Hunnewell triennial premium for the best laid out and planted estate of not less than three acres to A. F. Estabrook. First prize for house of trained chrysanthemums went to Mrs. B. P. Cheney, for benched chrysanthemums to Chas. Pfaff, for house of carnations to F. A. Blake, for house of roses to Waban Conservatories, and house of tomatoes to Wm. Nicholson. This committee visited Waban Conservatories last week.

E. M. Wood starts this week for a ten days' vacation on a yachting trip in southern waters and will be ready for hard work as president of the S. A. F. on his return. Before going he concluded a contract with the Lord & Burnham Co. for the erection of two rose houses, each 700 feet in length.

The Gypsy Moth Commission will ask the legislature for another appropriation of $200,000 for continuing the war against this pest during the coming spring.

Pansies are blooming in many of the gardens and strawberry blossoms in the warm nooks in the woods are occasionally found.

Chicago.

WEEK STARTS WITH A CALM —RUSH BEGINS ON FRIDAY.—PROSPECTS FOR SUFFICIENT SUPPLIES.—BEAUTIES A GREAT SCARCITY. —BULBOUS STOCK TO SPARE.—SIGNS OF PICKLED ROSES.—REINBERG BROTHERS DISSOLVE THEIR SELLING RELATIONS.—WITTBOLD BUSINESS INCORPORATED.—WINTER HAS A SIEGE.—LAWSON TO BE LARGELY GROWN.— TOWN FULL OF HOLLY.—GOOD CARNATIONS FROM INDIANA.—VARIOUS JOTTINGS.

The first of the week was very quiet in this market, there being little local trade and no great pressure of shipping business. However, stock was very short and prices were inflexible, in fact advancing day by day until the Christmas scale was reached. Some long distance shipping orders went out on Wednesday and more on Thursday, but the rush did not begin until Friday afternoon. It promises to hold through Sunday. As the days have succeeded each other the prospects for supply have improved until on Friday afternoon it looked as though there would be enough of everything to go around except of American Beauty; of these there are not one-third what are asked for at prevailing rates. Meteors are another item which may run short. Of other roses, particularly Bride, there will probably be a sufficiency. It is to be regretted that many growers have resorted to the old practice of holding

back their cut. That they have done this is shown by many consignments which came in Tuesday and Wednesday simply because they would not stand another twenty-four hours. Of course such stock was well sold at 3 cents on days that the best fresh blooms brought 20 cents; they would have easily averaged 8 cents if shipped when cut. The supply of carnations seems to be adequate for all advance orders and of violets there was a sufficient supply up to Friday night. Of bulbous stock there is a decided surplus. Romans, Paper Whites and lily of the valley are all too plentiful and are well sold at prices prevailing last week.

With the new year George and Peter Reinberg will sever the relations by which they have marketed their output for the past eight years. Their great ranges of glass at Summerdale have always been conducted independently of each other, the partnership only relating to the sale of the stock. The old quarters at 51 Wabash avenue had become too small for both brothers and, as intimated in last week's issue, George Reinberg has purchased the Amling lease and fixtures and will open across the hall from his brother, who will remain in the old quarters. Archie C. Spencer, who has managed the sale of the product of the Summerdale establishments, which have a combined glass area of 800,000 square feet, will remain in charge for Peter Reinberg, and Robert Northam, for some time one of Mr. Spencer's assistants, will attend to the management of the new establishment.

The George Wittbold Company has been incorporated with a capital stock of $48,000 and the stockholders and directors, Mr. Wittbold and his five sons, have elected George Wittbold president and Louis Wittbold secretary and treasurer. This move was the method adopted by Mr Wittbold to admit his sons to a share in the business. He retains the controlling interest. The young men have for some years borne the cares of the big trade which their house enjoys and this recognition of their services cannot but add to the prestige of the rapidly growing establishment.

S. Blair Winter, who figured in the wholesale market up to last May, has been confined to his couch since August 25 and since that date has undergone five severe surgical operations. He is now reported on the road to his usual health. Mr. Winter is a nephew of J. I. Blair, the multi-millionaire New Jersey railroad magnate who died last week.

All the local growers are going to plant a few Mrs. Lawson carnations for next year and several of the larger ones are going in to the extent of a few thousands. Lange has had the cut blooms from the east in his window this week but they have hardly attracted the attention which they did last season.

State street has been full of holly this week and the overflow has extended to the limits of the town. It is a mystery where all the stuff comes from and a greater problem where it all goes. Most of it was poor enough to be within the reach of all.

Some of the finest carnations which have ever come to this market are the White Cloud which Mrs. Graves is sending up from Richmond, Ind. Her pink seedling, Dorothy, is also good enough to command the top price at Amling's.

Mrs. Emily Dunham, mother of Mrs. A. L. Vaughan, died last Saturday morning at her residence, 305 Campbell avenue, and was interred Monday at Forest Home cemetery.

Kennicott Bros. Co. received thirty-one dozen poinsettias on Thursday and the buyers took all but three dozen on sight at $4 per dozen. The rest went quickly at 20 cents each.

A. C. Kohlbrand, having completed his education in wholesaling at Kennicotts', has taken up retailing at T. D. Mosconesotes, in the Masonic Temple.

Klehm's Nurseries are sending in some very good Papa Gontier roses, which are well received as a break in the usual diet.

J. B. Deamud received 1500 orchids Wednesday, said to be the largest shipment ever made to this city.

The unexpected announcement of the death of Charles Held came on Wednesday.

O. P. Bassett moved into his new home at Hinsdale during the week.

Visitor: Mr. Underwood, of Underwood Bros., Columbus, Ohio.

St. Louis.

MEETING OF THE CLUB.—PREMIUMS ORDERED PAID.—A EUCHRE PARTY.—AN EXHIBITION.—WEBER ENTERTAINS.—STATE OF THE CHRISTMAS MARKET.

The Florists' Club held its monthly meeting December 14. The attendance was rather slim. The show committee presented a preliminary report and was given until the January meeting for a final statement. The show premiums were ordered paid in full. A euchre party will be given some time in February and the money will go to help pay the show prizes. The president appointed John Kunz, F. C. Weber and J. J. Beneke to help the trustees in arranging the affair. Resolutions were offered expelling a member, but action was deferred until the next meeting. At the next meeting, on the afternoon of January 11, a carnation exhibition will be held. Chas. Connon, Sr., was proposed for membership and Mr. Kruse was elected to the society.

Mr. and Mrs. F. C. Weber entertained at euchre last Saturday night, only florists and their families being present. Miss Meinhardt, Mrs. Kunz and Mrs. Meinhardt won the ladies prizes and John Young and Carl Beyer won first and second prizes among the gentlemen. C. C. Sanders won the booby prize. Refreshments were served and John Kunz, Miss Lulu Beneke and Herman Weber contributed to the entertainment of the guests.

The cut flower market was rather dull just before the holiday rush. The commission men gave out their Christmas prices to-day. American Beauties of the first choice will be very scarce at from $12 to $15 per dozen. Other roses will range from $10 to $20 per hundred. Carnations, fancy, will be $8 and common $4 and $5 per hundred. Bulb stock will be plentiful and smilax and asparagus will remain at the old price.

LOUISIANA.

Buffalo.

PLEASING PROSPECT FOR CHRISTMAS.—FAIR SUPPLIES OF STOCK IN SIGHT.—CARNATIONS THE PRINCIPAL SHORTAGE.—AGREEMENT TO REFUSE ALL DONATIONS.—OTHER NOTES.

Up to the hour of writing every indication is for an excellent Christmas trade. Roses will be in fair supply but carnations are scarce. Violets we hope will be equal to the demand. Bulbous stock will be plentiful. Plants, it seems, will again be in favor, especially palms, poinsettias and azaleas. Trade has not been heavy the past week but the presence in our city of Admiral Sampson and Capt. Chadwick gave one of our stores a good order. One of the best things gotten up for the occasion was a center piece of poinsettias.

Continued pressure has at last caused the worm to turn and the local florists all have reluctantly agreed to make no more donations to societies or charities. They have signed an iron-clad agreement which provides for a forfeit of $25 for every violation of the compact. The drain had grown to be a severe one.

S. A. Anderson has put in a new ice box which is a great improvement to his already pretty store. W. A.

Indianapolis.

PROSPECTS FOR A BIG BUSINESS.—SHORTAGE OF STOCK WILL HURT.—COMPLAINTS OF PRICES.—VISITORS FROM CINCINNATI.—THIRTEEN MEN HAVE THIRTEEN KINDS OF FUN.—BERTERMANN AND HIS THERMOMETER.

Prospects for the holiday trade in this vicinity would be excellent if it were not for the great scarcity of cut flowers. For many years past December has not been so short of cut flowers as is the month this season, and, as the supply of blooming plants is not larger than usual, it is feared that the florists will not be able to secure their full share of the heavy Christmas trade. Some of the retailers say that growers' prices are too high to enable them to handle the goods with profit, but this opinion is not generally shared, because we have had higher Christmas prices before, when the retailers were well satisfied with their profits. The fact remains, however, that the prevailing condition gives the small grower who retails his own goods an opportunity to undersell the storemen and still make a handsome profit. Some of the former take this advantage in gaining new customers. In this city the trade in Christmas greens can no longer be considered a branch of the florist business.

The party of thirteen Cincinnati florists arrived in Indianapolis as per schedule last week and our people enjoyed an evening with them at the Walhalla Bowling Alleys. After leaving Cincinnati the discovery that thirteen were in the party caused some uneasiness. Finally they selected one man to drop by the wayside, but as he wouldn't have it, they had to take their chances. All went well until their train was pulled out of Indianapolis by engine No. 213, which proved too much of a hoodoo, causing a brakedown between here and Lafayette, which delayed their arrival in that city so much they had only about thirteen minutes to look at Dorner's large carnation plant. Jackson proved his wisdom in resisting their dumping proposition by taking all prizes in the bowling contest, his highest score being 13x13, 169.

John Bertermann spent part of the only zero night we have had comparing his pet thermometer with that of the weather bureau. He had the satisfaction of establishing the correctness of his instrument but caught a cold. H. J.

New Haven, Conn.

The prospects for the holiday trade here are very encouraging, more orders having been placed for Christmas greens than in any of the recent years. The holly this season is of exceptional quality and finds ready sale. Cut flowers will be quite plentiful, but will command very good prices. Violets are the only scarcity, but they only bring $3 per hundred for the first quality. G. H.

San Francisco.

BUSINESS GOOD ON THE COAST.—STOCK SCARCE AND PRICES FAIR.— CHRYSANTHEMUMS INJURED BY RAIN.—THE FAVORITE VIOLET.—BATCH OF BREEZY PERSONAL JOTTINGS.—DOINGS IN THE TRADE.

Business has picked up very much lately and every one seems to be busy. Prices are very good for there is a great scarcity of first-class stock. This is particularly true of roses. Beauties are in good demand, also Brides and Bridesmaids. There were some very fine President Carnot at Pelicano's last week. There has also been quite a call for Brunners. Chrysanthemums are about over. A great many were sold on Thanksgiving day, particularly yellows and reds, the occasion being the annual football game between the University of California and Stanford University. The rains came much earlier this year than in seasons past, consequently large quantities of out-door blooms were destroyed, but the Chinese growers are still bringing in some small outside whites, chiefly used for funeral work. The weather has not been favorable for violets. Princess of Wales is the leading variety and is in good demand. The demand for Californias has fallen off considerably since other varieties have become known. Marie Louise and Swanley White enjoy a steady demand. Carnations of good quality may also be said to be in short supply, Sievers' being about the best stock to be had at present. Some very good Roman hyacinths are to be had but at the present price they are not a very profitable crop. Quite a number of cattleyas are to be seen in the different stores and seem to move fairly well.

E. W. McLellan & Co. are now permanently located on Grand avenue.

Emil Serveau spends several days each week at his ranch at Menlo Park.

Chas. C. Navlet, of San Jose, was a recent visitor, on his way to his branch store at Sacramento. Mr. Navlet says trade is good in that city.

Raymond T. Crocker has succeeded to the cut flower business of the Garden City Floral Co. at San Jose. The company, however, still conducts their nursery on Tenth street, under the management of Arthur Cann.

Tony Rossi has resigned his position with Pellicano & Co. and has entered the employ of E. W. McLellan & Co.

Joseph Carbone is now head gardener for Mrs. Kohl at San Mateo.

Podesta & Co.'s store, since its remodeling, presents a very fine appearance, the show windows being especially effective.

The Sutter Street Florist is the name of a new store a few doors off Kearny street.

Geo. Nunn is now gardener to Mrs. Franks at Burlingame.

P. O'Hearn has resigned his position as head gardener to D. O. Mills and is again growing carnations for this market.

Thos. McIntyre, gardener to C. W. Smith, of Menlo Park, and well known as a chrysanthemum grower has sustained his reputation of former years as a grower of prize blooms.

M. Schmidt is now in charge of M. Lynch's range of glass at Menlo Park.

METEOR.

SEA BRIGHT, N. J.—Robert Millican has opened a branch store at Lakewood.

CRESTLINE, O.—Nicholas Amos and others desire information as to the present location of Otto Schubert, also known as Otto Schwarz.

Baltimore.

THE CHRISTMAS RUSH IS ON.—INCREASE IN THE USE OF IMMORTELLES.—EARLY FOR CUT FLOWER BUYERS.—SCARCITY OF STOCK —MANY PLANTS.—HALLIDAY BROS. VERY BUSY.

The streets and shops are thronged with eager buyers, but business is still rather quiet among the florists at this writing. The places that do a large cemetery and funeral business report a very encouraging improvement over last year, Fred. G. Burger rating it as high as twenty-five per cent, chiefly in immortelle work, the demand running even more strongly to plain red than last year, with perhaps a spray or two of statice or something else to break the monotony. Among the dealers who handle natural flowers more exclusively and do family or party work, the improvement, if present, is not so marked, though it is hardly possible to estimate Christmas business until within a day or two of the holiday, as far as plants and cut flowers go. The supply of both seems rather short. Some very fine stock is in sight, but the quantity is anything but large. As might be imagined, prices are good and well sustained, the brisk demand taking up everything offered.

Halliday Bros. have had the largest ball decorations so far this season and are busy as bees at both stores. The window decorations on Charles street are not yet completed but promise to be elaborate in all the plate-glass fronts.

The markets have a genuine holiday appearance, with stacks of wreaths, trees, holly and wreathing everywhere, and many of the stalls have nicely grown azaleas, primulas and solanums, besides the usual assortment of palms, rubbers and ferns.

MACK.

Cleveland.

As has been previously intimated, the outlook is for a scarcity of flowers here for the holidays. The fact that, here and there among the growers, carnations were not doing as well as usual has not tended to relieve the situation so far as staple flowers are concerned. Add to this the fact that the return of prosperous times puts people in a better buying mood and the situation seems to be a better demand than usual, with less on hand to satisfy it with. There will probably be a somewhat larger supply of potted plants than has heretofore been the case. In addition to the usual stock there will be solanums, poinsettias, etc., which have not been much used in past years. Holly is plentiful and appears to be of pretty good quality. Undoubtedly, however, the usual quantity of rubbish will be dumped here sooner or later.

A.

Providence, R. I.

A ladies' night and complimentary entertainment was given by the retiring president of the Florists' and Gardeners' Club, William E. Chappell, at the hall of the society, December 14. The program was: Overture, Miss Corena Clegg; quartet, Y. M. C. A. Quartet; reading, Miss Lillian Macrae; solo, Mr. Lamson; zither, Miss Lillian Metzger; club swinging, Grace Patterson; reading, Miss Annie E. Wallace; quartet, Y. M. C. A. Quartet; piano solo, Miss Clegg; quartet, Y. M. C. A. Quartet; reading Miss Lillian Macrae; club swinging, Miss Patterson; solo Mr. Nicholas; zither, Miss Metzgar; reading, Miss Wallace; quartet, Y. M. C. A. Quartet. Mr. Chappell was assisted in receiving by several members of the club and during the evening refreshments were freely served.

The prospects are for a good Christmas trade and plenty of stock, but no surplus; for the past two weeks everything has been consumed. It looks as if the trade in green goods would be overdone as all the provision men are handling them; we may have to put in meats and canned goods to get even.

Wm. Appleton, Jr., has opened a branch store in Westminster street for the holidays and makes a good display.

Mr. and Mrs. Alex. Rennie have returned from their honeymoon.

LITTLE RHODY.

Rochester, N. Y.

Good flowers of every description are decidedly scarce and have been so ever since chrysanthemums went out of the market. Prices rule much higher than usual, and the advance is a serious drawback, reducing the profits of the retailer to a minimum. The supply of carnations is entirely inadequate, and the same may be said of violets, which are badly diseased in our section. The prospects for a Christmas supply of roses is more encouraging, but prices will be stiff. Bulbous stock is more plentiful and excellent in quality, but the demand for white is rather limited. The outlook is bright for a largely increased plant trade, and the stock of flowering plants is much larger and perhaps more varied than in former years; still our leading florists express the opinion that there is not enough in this line to supply all and that they will have to fall back on palms, though to look at the gorgeous display in their windows seems to contradict these statements. There are azaleas in variety, begonias, yellow and white Marguerites, poinsettias, ericas, primroses, one firm exhibiting a fine lot of well flowered Primula farinosa; cyclamen and blue daises, and the berried plants, such as ardisias, solanums and dwarf oranges, are represented everywhere. Palm and similar decorative plants are very plentiful, but bright flowering plants will naturally have the preference at this season, and it is possible that these will sell out cleaner than ever. The season so far has been a prosperous one all around. Even in the height of the chrysanthemum season, with the rather unfavorable warm weather, good flowers sold readily at a very fair price.

J. B. K.

Toronto.

The remarkably mild weather is not favorable to the florists' trade, but the principal dealers report that not only has business been excellent, but the indications are that the holiday trade will be exceptionally good. There is a fairly large supply of cut stock in sight, the quality of which would be somewhat improved if we could get a little more sunshine. Roses are coming in well. Some growers have kept back a small stock of chrysanthemums specially for Christmas and there will be a few good blooms on the market. Violets are scarce and prices high but the stock coming in is of excellent quality. Freesias are early and fine, carnations good but somewhat scarce. Dunlop appears to be the first on the market with some good azaleas in bloom.

S. P.

PITTSFIELD, MASS.—Fern picking has been very heavy in this section the past month.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate, $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

INDEPENDENT manufacturers say that the present prices of glass are close to the cost of production.

DEAN HOLE, the well known English rosarian, celebrated his eightieth birthday early this month.

AN independent glass factory, with $45,000 capital, will be started by the citizens of Bellaire, O.

VEITCH & SONS, of England, announce a white form of Caryopteris Mastacanthus, otherwise known as the blue spiræa.

WM. TURNER, foreman to J. A. Peterson, of Cincinnati, grows lily of the valley very successfully in a mixture of coke breeze and sphagnum.

IT is now a common opinion with growers of roses that grafted plants of Bride, Bridesmaid and Kaiserin are more profitable than those on their own roots.

WE are in receipt of calendars from Mrs. E. A. Williams, Pittsburg, Pa.; Bertermann Floral Co., Indianapolis, Ind.; Otto Fehrlin, Galveston, Tex.; Lord & Burnham, Irvington-on-Hudson, N. Y.

GEORGE KIMBALL, Chicago manager for the Pittsburg Plate Glass Co., states that the cost of production of greenhouse glass has increased fifteen per cent in the past year, labor receiving one-half the increase.

GROWERS will bear in mind that the annual meeting and exhibition of the American Carnation Society takes place at Buffalo, February 15–16 next, and arrange accordingly. Full particulars may be had on application to Secretary Albert M. Herr, Lancaster, Pa.

WE have lately seen disastrous results from the use of a new insecticide supposed to be of the same strength as similar preparations. The manufacturers of such commodities should include with every package concise but complete directions for their use, and growers should always be careful to test a small portion of each new remedy before extensive employment.

Mr. Donald's Chrysanthemums.

ED. AM. FLORIST:—I have been much interested in the magnificent specimen chrysanthemum plants grown by Mr. Donald and illustrated in your columns. Please state whether these were grown in jadoo or ordinary compost?

ALPHA.

[Mr. Donald, no doubt, will impart the desired information for the benefit of our correspondent.—ED.]

Greenhouse Building.

Randolph, Vt.—Totman Bros., house, 18x100, with office 12x18.

Allentown, Pa.—A. D. Yeager, one carnation house.

Brunswick, Me.—John McManus, one commercial house.

Philadelphia, Pa.—S. E. Stokes, one conservatory.

Colchester, Conn.—C. F. McIntosh, one greenhouse.

Sparrowbush, N. Y.—J. R. Patterson & Son, one forcing house.

Norwich, Conn.—H. Wilskey, one greenhouse.

Gregson Springs, Mont.—Butte Floral Co., two houses, 20x150.

Newark, N. J.—Branch Brook Park, three houses.

Danville, Ill.—F. B. Smith & Son, house 25x150.

Stratham, N. H.—J. F. Emery, one greenhouse.

Grand Rapids, Mich.—Chas. Chadwick, four carnation houses. Crabb & Hunter, violet house. Eli Cross, five houses. Henry Smith, four houses.

Keeping Hardy Cut Ferns in Winter.

ED. AM. FLORIST:—Please inform me of the best way to keep the wild fern leaves in good condition for use in winter.

OHIOAN.

Pack in boxes, 3,000 to 10,000 in each, with holes bored in the sides, top and bottom, say four or five one-inch auger holes on a side. Pack with damp, fresh sphagnum between each thousand and around the sides, and then place boxes in cold storage at a temperature of 30°.

L. B. BRAGUE.

Woodlice or Sowbugs.

In reply to several requests for information as to the best method of exterminating these pests, we cannot do better than repeat the advice already given in these columns, as follows:

"To a quart of cornmeal add enough brown sugar to sweeten, mix well together and add two tablespoonfuls of Paris green. Moisten a little with water, just so it will hold together. Place the mixture about in small quantities on or under the benches, or wherever the bugs may be."

Other remedies: "The sowbugs may be expelled by placing gas lime about their haunts. Slices of carrot poisoned with some arsenite are also said to be efficacious."

Begonia Gloire de Lorraine.

The plants when used in the dwelling-house or mansion for decoration are apt to be upset a little, and to lose a quantity of blooms from various causes. Some growers may be inclined to prune off the flowering shoots rather than have bedraggled specimens. This begonia is a winter-flowering species, however, and to cut off the flowering shoots at so early a date as this is equal to spoiling the plants as producers of cuttings. The basal shoots which spring up after the cutting back process, almost certainly will produce flower buds, and such short flower-bearing shoots can hardly be expected to withstand any detrimental influence whatever. They do not develop into sturdy and serviceable plants either. What is proved to be the better plan is to let the plants flower on and on until their strength in this direction is spent. Then cut them back, slightly rest them for a fortnight and restart them. If the old plants are to be grown on again into larger specimens, they may be shaken from the old pots and repotted. Stout cuttings, with a strong foundation from which to start, are then to be obtained. Leaf cuttings and stem cuttings produce plants of quite distinct habits. The plants from leaf cuttings are by far the most graceful, their flowers being larger, though paler, and the shoots themselves longer. From stem cuttings very bushy and floriferous plants develop, but they lack the free style of those grown from the leaf.—*Gardening World.*

The Matter of Prices.

ED. AM. FLORIST:—I would like to ask why the prices of flowers here in the east do not rise in proportion to the increased price demanded for merchandise which the florist has to purchase? Our prices do not rise, however, and I fail to see the reason, especially as most lines of stock are scarce here. Violets are 50 cents per 100, carnations 25 cents per dozen, with no distinction as to color or quality, and roses 50 cents to $1.00 per dozen. If anyone can see a profit in growing flowers at these prices I would like to have it figured out so as to afford six per cent on the capital invested. The above prices are retail and just the same at Christmas as at any other time excepting spring.

G. C. GOODWIN.

West Hartford, Conn.

A Spring Show at Philadelphia.

The Pennsylvania Horticultural Society at its monthly meeting December 19, decided to hold a spring flower show, March 20, 21, 22 and 23, upon lines similar to that of last season. The committee on establishing premiums is composed of Edwin Lonsdale, W. Atlee Burpee, John G. Gardner, John Westcott, W. K. Harris and John McCleary.

Letters were read from the Department of Agriculture at Washington and the Division of Pomology, asking for photographs of Horticultural Hall and the officers of the society, to have place in the Department's exhibit at the Paris Exposition, and advising of arrangements in progress for supplementing the show there of apples of 1899 with the early fruits of 1900 in their season.

Premiums were offered by Henry F. Michell for competition at each of the monthly meetings of 1900; also at the March and November shows. Fourteen new members were elected and fourteen others were proposed for membership.

The exhibit of the meeting was of seedling orchids from George B. Wilson, West Philadelphia, Alphonse Pericat, gardener. Five of the lot were imported; one, Cypripedium G. B. Wilson, very dark and effective, was grown by the exhibitor. The judges, Edwin Lonsdale, J. D. Eisele and J. McCleary, recommended a silver medal for Cattleya Percivaliana alba, a certificate of merit for a cattleya cross, C. grandiflora and C. eldorado alba, and honorable mention for the others; also a vote of thanks for the superb display.

Officers were chosen as follows: President, James M. Rhodes, Ardmore; vice-presidents, Henry F. Michell, Robert Craig, George Goebel, M. D., Edwin Lonsdale; treasurer, Sidney W. Keith; secretary, David Rust; botanist, Thomas Meehan; entomologist, Dr. H. C. McCook, D. D.; chemist, Dr. Persifor Frazer; executive council, John Westcott, Dr. J. Cheston Morris, Moses Paxson, W. K. Harris, Chester Davis, Thomas Long and John McCleary.

Helpful Reminders.

Christmas is upon us again and it occurs to me that to the florist should its recurrence be particularly welcome, for it marks the beginning of longer days. To have flowers when sunlight is most scarce has taxed our ingenuity. Although we have the most severe weather of the season to experience during the next two months, Christmas really marks the beginning of spring to the plants in a general stock. Plants seem to know, without sun-dial or calendar, that the shortest day has passed and time for waking up has come.

The quality of your output from now until July is dependent on your judgment now. As new leaves show signs of forming, plants should be provided sufficient light, the temperature should be maintained and an increased amount of water made available as the newly formed foliage develops. Perhaps one of the greatest mistakes commonly made is to allow dormant plants to start up and make considerable foliage and new roots before they are placed on the bench where they are to grow. Every time you change the position of a plant which is making new growth you retard it. If you will notice the arrangement of leaves on a plant that has not been disturbed, you will find that they are spread out so as to secure all the light possible and, when the plant is moved, every leaf is obliged to shift its position more or less before it is in working order. Plants moved frequently or crowded can never come to maturity in a perfect condition.

Such plants as acacias, genistas, hydrangeas, lilies, geraniums, Marguerites, libonias and linums should be alloted the requisite space for perfect development and given that space at once. Now is the time to guard against the errors of crowding and frequent shifts. Take best care of your plants and your customers will take best care of you. C. B. W.

NEWS NOTES.

PLAINFIELD, N. J.—Charles L. Stanley rented a down-town store for the holidays and disposed of a good stock.

COLUMBUS, O.—Albert Knopf states that the indications are that Christmas trade will equal that of any previous year.

SYRACUSE, N. Y.—L. E. Marquisee reports the prospects rather below par, flowers being very scarce, especially carnations.

HAMILTON, CAN.—E. G. Brown, expects fair crops to meet a heavy holiday demand but says that sunshine would be appreciated.

NASHUA, N. H.—G. E. Buxton reports that his carnations are right in crop for the holidays and that other supplies are fair to meet a very brisk demand.

JERSEY CITY, N. J.—C. Soltau & Co. say that cut flowers are off crop very generally in this section because of the warm autumn. Plants have the call for Christmas.

BUTTE, MONT.—Law Bros. report that stock is scarce and that the heavy holiday trade makes prices high. There is large demand for holly. All stock is generally good.

DANVILLE, ILL.—There are nine florists, big and little, in this town and the holiday season brings them all they can do; in fact, this year it will bring too much, for roses and carnations are off crop.

SWAMPSCOTT, MASS.—E. G. Blaney, Jr., has a splendid house of callas and some fine violets. He considers Princess of Wales the money maker.

HOUSTON, TEX.—Trade is very good and Mrs N. E. Westgate voices the general opinion when she predicts an unprecedented holiday trade. Stock is plentiful. The first white frost of the season come December 16.

WEST HOBOKEN, N. J.—E. G. Asmus states that there was a strong early demand for holiday stock and that many orders were booked ahead. The weather conditions make the matter of filling them quite uncertain.

WATERTOWN, N. Y.—W. R. Skeels states that because of the past two months of cloudy weather cut flowers for Christmas are in only one-half the usual supply. There promises to be a heavy sale of both flowering and decorative plants.

MANCHESTER, N. H.—G. A. Campbell, treasurer of the Ray Brook Garden Co., reports that they were all sold out for Thanksgiving and expect to dispose of everything for the holidays, although they have a large supply, thanks to their nine new houses.

MALDEN, MASS.—E. D. Kaulbach reports trade good. He usually sells everything he can grow and buy at Christmas but says that he gets little profit out of cut flowers as the wholesale prices are so high. This year he expects stock to be scarce.

FALL RIVER, MASS.—The outlook is good for Christmas, as there is a fair supply of roses and carnations. Violets are scarce. There is a limited supply of azaleas and Roman hyacinths in pots. The call for palms and ferns is excellent, according to C. Warburton.

LOUISVILLE, KY.—F. Walker & Co. predict that this year's holiday season will be the best on record, with short supplies of flowers and high prices, American Beauties retailing ten days before Christmas at from $10 to $12 per dozen. Plants of all kinds will be in demand. Several large decorations are in sight for Christmas week.

GRAND RAPIDS, MICH.—Chas. Chadwick reports that holiday trade promises to be the heaviest, and at the highest prices, ever known here. Carnations and American Beauties are very scarce, other stocks in fair supply. The Grand Rapids Floral Co. has a large number of cypripediums, the only stock here. Henry Smith has a fine lot of potted plants, particularly azaleas. Crabb & Hunter are strong on lilies and violets. James Hancock, of Grand Haven, has a good stock ready.

OBITUARY.

E. GRIFFITHS HUGHES.

Evan Griffiths Hughes, the inventor and manufacturer of the insecticide known as fir tree oil, died at his home in England December 2.

CHARLES HELD.

Charles Held died at his home, 920 North Campbell avenue, Chicago, on December 20, after an illness of two years' duration. For the past two months he had been at Thomasville, Ga., in hopes of recruiting his failing energy. The end came quite suddenly and his demise was caused by dropsy. Mr. Held was 45 years of age and was widely known in the trade. He was very popular and many close friends mourn with his widow and four children, three boys and a girl. The funeral will be held from the residence on Sunday afternoon, December 24.

V. EBBESON.

This former member of the firm of Rice & Co., Sparkill, N. Y., died at Liberty, N. Y., December 7, after an illness of seven months' duration. Mr. Ebbeson was a member of several secret and benevolent societies and his obsequies were with the rites of Odd Fellowship. He leaves a widow and a two-year-old child.

CHAMPAIGN, ILL.—Thos. Franks is anxious to learn of the whereabouts of his former employe, James Griffith, an Englishman about 45 years of age, who left here for parts unknown December 1.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J. A. T., care American Florist.

SITUATION WANTED—By young man as assistant in greenhouses. Experience equivalent to about four years. To begin about Jan. 1st. Address W. S. VAN DOREN, Marengo, Wash.

SITUATION WANTED—As grower of roses, carnations, etc., by young man 25 years of age; 11 years experience, sober. K. L. KELLER, 1210 So. 6th St., Paducah, Ky.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST. In good condition. Address S S, care American Florist.

WANTED—A good all-around florist, one who understands his business and is willing to work—or will sell half interest. L. E. CARTER, Shreveport, La.

FOR SALE—Commercial place of R. D. BAKER, Canon City, Colo.

FOR SALE—Greenhouses about 50,000 square feet of glass well stocked and finely located for retail trade in the largest city in the west. Will sell one-half or whole interest. Doing large business. Good reasons for selling. Address C. D, care American Florist.

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

FORCED SALE.

OF GREENHOUSE PROPERTY.

In "Spring Valley," 30 miles from New York, five minutes from R. R. Depot. The owner is unable to work the place on account of sickness and wishes to go to Florida, is willing to sell for half value. Two and one-half acres of high land, dwelling house new; four greenhouses 12x100, one 18x200 in good condition and stocked with violets and carnations. Heated with Hitchings' boilers. Price $3,500, $1,000 can remain on mortgage at 5 per cent. Apply at once to

L. USSING, 53 W. 28th St., NEW YORK.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

Salem, Mass.

At Mrs. J. M. Julyn's active preparations are being made for a large trade on pot plants. Carnations are good but off crop. Roses are good but violets poor; this I find a very general complaint throughout this section. Chrysanthemums have been a very unsatisfactory crop this season, especially as pot plants. This may be because of the extremely hot weather experienced hereabouts so late in the season and this, too, may have something to do with the present condition of the violet.

H. T. Conant & Co. and McGee, Geary & Co. are as busy as usual and report trade better than a year ago. Potted plants will be an important factor this season.

Wm. Walke is cutting some fine stock and finds an eager market for it. This is his first season and he is highly pleased so far. TAP.

STEVENS POINT, WIS.—A. V. Broome & Co.'s loss in the recent fire was $2,500 with insurance of $750.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

Wholesale Flower Markets

CINCINNATI, Dec. 21.

Roses, Beauty, select	100 00
" " medium	50.00
" Bride, Bridesmaid	12.00@18 00
" Meteor	15.00@20.00
" Perle	8.00@10.00
Carnations	3.00@ 5.00
" fancy	6.00@ 8.00
Lily of the Valley	4 00
Violets	2 00
Narcissus	3 00
Roman Hyacinths	3 00
Callas, Harrisii	15.00
Poinsettias	25 00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Galax Leaves	.15

ST. LOUIS, Dec. 21.

Roses, Beauty	15 00@25 00
" fancy	50.00@75.00
" Bride, Bridesmaid	10.00@18.00
" Meteor	20 00@18.00
" Perle, Wootton	8.00@15 00
Carnations	3 00@ 5 00
Lily of the valley	4 00@ 5 00
Violets	2 00@ 3 00
Narcissus	3.00@ 4.00
Romans	3.00@ 4 00
Stevias	.50@ .75
Smilax	15.00@18.00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Dec. 21.

Roses, Beauty, long per doz.	10.00@15.00
" " medium " "	5.00@10.00
" " short " "	2 00@ 3 00
" Bride, Bridesmaid	12 00@15.00
" Perle	12 00@15.00
" Meteor	15.00@18.00
" Kaiserin	4.00@ 6 00
Carnations	1 50@ 2 00
Stevias	1.50@ 2.00
Roman Hyacinths	3 00@ 4 10
Narcissus Paper White	3.00@ 3.50
Poinsettias per doz	$5.00
Adiantum	1 00@ 1 50
Common ferns	25
Smilax	15 00@18.00
Asparagus	75.00

PITTSBURG, Dec 21.

Roses, Beauty	10.00@50 00
" Bride, Bridesmaid	4.00@12.00
" Meteor	6.00@12.00
" Kaiserin	6 00@10.00
" Perle	4.00@ 8.00
" Cusin	3.00@ 6 00
Carnations	2 00@ 4 00
Lily of the valley	4 00@ 4 00
Violets, double	1.00@ 2 00
" California	50@ 1.00
Chrysanthemums	12 00@25 00
Narcissus Paper White	3.00@ 4.00
Roman Hyacinths	2 00@ 3.00
Harrisii	20 00@25.00
Smilax	12 00@15.00
Wild Smilax per case	3 50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus bunches	40@
" strings	35 to 50
" Sprengerii, bunches	35 to 75
Galax Leaves	.15

Orchids and Valley For The Holidays.

The following prices apply to all orders except where contract is in force.

CATTLEYA LABIATA, VERY LARGE	per doz.,	$12.00
" PERCIVALIANA, medium	"	9.00
DENDROBIUM FORMOSUM, large white	"	7.00
CYPRIPEDIUM INSIGNE	"	3.00

LILY of the VALLEY, 6 to 8 in., 9 to 11 bells, with foliage, per 100, $3.50

Owing to the limited amount of surplus over contract orders, the management of the "Rosebank" Nurseries advise the placing of early orders for this stock.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of CARNATIONS FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin

124 Tremont St., BOSTON, MASS.

HOLTON & HUNKEL CO.

Wholesale Florists,

457 Milwaukee St., - MILWAUKEE, WIS.

JOHN B. FERGUSON,

Wholesale Florist,

444 SIXTH AVENUE, PITTSBURG, PA., Dec. 11th, 1899.

ANNOUNCEMENT.

I take pleasure in announcing to you that I have this day purchased the Wholesale Cut Flower and Commission Business of G. L. Ilgenfritz & Co., No. 444 Sixth Ave., Pittsburg, Pa., and shall continue the business at the same address. I trust I shall receive from your hands the same fair treatment and patronage which you extended to the old firm, and take this measure of soliciting your patronage.

Respectfully,
JOHN B. FERGUSON.

REFERENCES—City Deposit Bank, Pittsburg; Lawrence Dilworth, of Dilworth Bros.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

	Per Dozen.
AM. BEAUTIES, Ex. long	$12.00
" 24-inch	8.00
" 20 "	6.00
" 15 "	4.00
" short	2.00

	Per 100
BRIDES, MAIDS	12.00 to 15.00
METEORS, KAISERINS	12.00 to 15.00
PERLES	8.00 to 12.00
CARNATIONS, good stock	3.00 to 5.00
" fancy, including BRADT, CRANE, ARGYLE, JOOST, FLORA HILL,	6.00 to 8.00
VALLEY	4.00 to 5.00
VIOLETS, double	2.00 to 2.50
" single	1.50 to 1.75
CYPRIPEDIUMS	15.00
CATTLEYAS, very scarce	$8.00 per doz.

	Per 100.
ROMANS	$2.00 to $3.00
NARCISSUS	3.00
STEVIA	2.00
ADIANTUM	.75 to 1.00
ASPARAGUS	50.00
SMILAX	12.50 to 20.00
GALAX LEAVES, $1.25 per M.	.15
FANCY FERNS, $2.00 per M.	.20
IVY LEAVES	.50
LEUCOTHOE SPRAYS	.75
RED WINTER BERRIES, per case, $3.00.	

WILD SMILAX.
- No. 1 contains 15 lbs. $2.50
- No. 2 " 20 lbs. 3.50
- No. 4 " 35 lbs. 4 50
- No. 5 " 40 lbs. 5 50
- No. 6 " 50 lbs. 6.50

Agent for Caldwell's Wild Smilax.

P. AND D. AT COST. Prices subject to change without notice.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

Plenty of Stock for New Year's Trade.

Headquarters for Poinsettias.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS.

FULL LINE OF ALL Florists' Supplies

HOLLY and GREEN. We can meet the quotations of any reputable Western House.

REINBERG BROS.

...WHOLESALE...

Growers of Cut Flowers

600,000 FEET OF GLASS.

We can fill orders on short notice with all leading varieties of Roses and Carnations.

We ARE Headquarters for fine AMERICAN BEAUTIES.

SALESROOM, 51 Wabash Ave., CHICAGO.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

GEO. A. KUHL,

Grower of Cut Flowers

ROOTED ROSE CUTTINGS.

Pekin, Illinois.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO. Dec. 22.

Roses, Beauty, extra long stems		12.00
" " 30 inch		10 00
" " 24 "		8.00
" " 20 "		5.00
" " 15 "		3 50
" " 12 "		2 00
" " 8 "		
" Bride, Bridesmaid	12.00@18 00	
" Perle	10.00@12.00	
" Meteor	12.00@18.00	
" Kaiserin	8.00@15 00	
" La France	15.00	
" Golden Gate	20 00	
Carnations	4.00@ 5.00	
" fancy	6 00@ 8 00	
Violets, double	1.00@ 2.00	
" single	50@ 1 00	
Lily of the Valley	4.00@ 5 00	
Cattleyas	per doz. 6 00	
Dendrobiums	9.00	
Mignonette	1.00@ 2.00	
Roman Hyacinths	3.00@ 4 00	
Narcissus	3 00@ 4 00	
Adiantum	.50@ 1.00	
Common ferns	.15	
Fancy Ferns	.20	
Smilax	10 00@20.00	
Asparagus	50.00@60.00	

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

Please mention the American Florist when writing.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties



Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per 100. Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

HARDY CUT FERNS



FANCY DAGGER

In 1000 lots, $1 per M. Discount on larger orders. Also dealer in Sphagnum Moss, Bouquet Green. Also wholesale dealer in Christmas Trees and Baled Spruce for cemetery use. Special attention paid to supplying in carload lots.

L. B. BRAGUE, Hinsdale, Mass.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Wholesale Flower Markets

PHILADELPHIA, Dec. 20.

Roses, Tea	8.00@10.00
" " extra	12 00
" Beauty, extra	40 00@ 0.00
" " firsts	20 00@25.00
" " seconds	8.00@15 00
Carnations	1 50@ 2 00
" fancy	2 50@ 3.00
Lily of the valley, Romans	3 00@ 5 00
Violets	75@ 2.00
Mignonette	3.00@ 4 00
Romans, Narcissus	3 00@ 4.00
Asparagus	35 00@50.00
Smilax	15.00
Adiantum	1.00

BOSTON, Dec. 20.

Roses, Beauty, extra	50.00@75.00
" " medium	25.00@35.00
" " culls	5 00@10.00
" Bride, Bridesmaid, Meteor	8 00@20 00
Carnations, ordinary	1 50@ 2.00
" fancy	2 00@ 4 00
Lily of the valley	3 00@ 4.00
Violets, single and double	1 00@ 1.50
Romans, Paper White Narcissus	2.00
Chrysanthemums	8 00@12.00
Mignonette	4 00@ 6 00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO

A complete line of Wire Designs.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

LONG DISTANCE 'PHONE 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

: Succeesors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

Wm. J. Moore, WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME CROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO

Our Store, 906 Grand Ave., KANSAS CITY, MO

LONG DISTANCE 'PHONE AT EITHER PLACE

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. rice list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE FLORIST
New Telephone No. 902 Madison Sq. 39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower, Ashtabula, Ohio.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Dec. 20.

Roses, Beauty select	30.00@75.00
" " medium	20.00@25.00
" " culls	5.00@10.00
" Bridesmaid, Bride, Meteor	6.00@15.00
Carnations	1.00@2.00
" fancy	2.50@5.00
Lily of the valley	2.00@3.00
Violets	1.00@1.50
Romans, Paper White Narcissus	1.00@2.00
Mignonette	6.00@8.00
Callas	8.00@10.00
Cattleyas	50.00@60.00
Smilax	8.00@12.00
Asparagus	35.00@50.00
Sprengeri, per doz. bunches	1@1.50
Adiantum	.50@.75

BUFFALO, Dec. 21.

Roses, Beauty	10.00@100.00
" Bride, Bridesmaid, Meteor	10.00@20.00
" Perle, Niphetos	6.00@10.00
" Kaiserin	12.00@20.00
Carnations, ordinary	3.00@5.00
" fancies	5.00@8.00
Lily of the valley	4.00@5.00
Violets	2.00@3.50
Narcissus Paper white	3.00@4.00
Roman Hyacinths	2.50@4.00
Harrieti	2.00
Callas	12.00@20.00
Stevias	1.00@1.25
Chrysanthemums	8.00@20.00
Smilax	15.00
Adiantum	.75@1.25
Hardy Ferns, Galax Leaves	.15
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Galax Leaves.
GREEN and BRONZE.
New crop. Finest stock only, for the HOLIDAY SEASON.
THE INTRODUCER
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres.; ALBERT McCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

PEAS of the canning sorts are scarce and advancing in price.

VISITED NEW YORK: W. H. Grenell, of Pierrepont Manor, N. Y.

EUGENE SCHAETTEL sailed for Paris Thursday from New York.

FULL prices are asked for perennial grasses and Italian rye grass on the London market.

THE first general seed catalogue of 1900 reaches us from F. Barteldes & Co., of Lawrence, Kas.

VISITED CHICAGO:—S. F. Willard, of Wetherfield, Conn.; Eugene Schaettel, of Paris, France; J. H. Beagley, of Sibley, Ill.; L. L. Olds, Clinton, Wis.

CONTRACT prices for peas and beans for crop 1900 are not yet generally fixed, but growers are expecting some advance to cover present value of seed stocks.

A NEW seed growing establishment has been started at Nimes, France, under the name of Jacques Hasslach, trading wholesale in vegetables and flower seeds, especially phlox, onion and cauliflower. J. Hasslach is well known in the seed trade, having been fifteen years with Jacques Rolland, of Nimes.

California Notes.

Waldo Rohnert, the popular young seed grower of Gilroy, was married to Miss Elizabeth Ashby on the twelfth of this month at San Jose.

The continual rains are greatly retarding the seed growers, making planting very difficult, the result being that they are away behind in their work.

METEOR.

New York Seed House Sustains Damage.

On Saturday evening last, December 16, fire broke out on the third floor of the Electric Battery Company's building, located at 14-16 Ninth avenue, New York city, the ground floor and basement of which is occupied by the Cox Seed Company. In the operation of extinguishing the fire some stock in the warehouse of the seed company was damaged. Fortunately the larger part of the scarcer and most valuable seeds were removed from the premises in time to be saved, so that the damage was confined to those stocks of which the firm has an abundant supply in its other warehouses. The damage, which was comparatively slight, is fully covered by insurance. No inconvenience or delay will result from the fire to the customers of the Cox Seed Company.

Malden, Mass.

E. D. Kaulback reports trade far ahead of last year, both at his down town store and at the greenhouses. Of these he has ten and finds even this number insufficient to supply the demand. He has a fine lot of Harrisii lilies coming on for New Year's, when an excellent sale is found for them.

Peter Ball reports trade as showing an increase over last season, but his roses are completely off crop, his cut being only a few hundreds a day.

John Foote is cutting some of the finest flowers of Mrs. Joost. TAP.

FLOWER SEEDS FOR FLORISTS.

Grown at our Floracroft Grounds, especially for Florists and the Seed Trade.

ASTER, SEMPLE'S BRANCHING, Mixed, @ 50c. per oz., $6.00 per lb.; Shell Pink, White and Red, 75c. per oz., $8.00 per lb.; Truffaut's Improved Pæony Flowered, Mixed, 75c. per oz., $8.00 per lb.

AGERATUM, Blue Perfection (new), per oz., 75c. **AMPELOPSIS VEITCHII,** per oz., 10c.; per lb., 75c.

BALSAM, (Alba Perfecta), Double White (extra), per oz., $1.00.

SALVIA SPLENDENS (Floracroft strain), per oz., $1.00; per lb., $12.00.

" **CLARA BEDMAN,** " " " 2.00; " 25.00.

MUSHROOM SPAWN, new shipment. per 100 lbs., $6.50; per 1000 lbs, $60.00

LILY OF THE VALLEY PIPS, Berlin sand grown, 3 years old, $10.00 per 1000; per case (2500), $23.00.

Send for Wholesale List.

JOHNSON & STOKES,

217 & 219 MARKET STREET, PHILADELPHIA, PA.

BULBS. LOW SPECIAL OFFER.

	Per 100
SINGLE HYACINTHS, named varieties	$4 80
" " " colors	3 75
TULIPS, SINGLE EARLY, mixed	.60
" " LATE, "	.70
" DOUBLE EARLY, "	.70
" " LATE, "	.65
" PARROT, mixed	.75
CROCUS, mixed	2.35
NARCISSUS POLYANTHUS, yellow, mixed	1.00
" VON SION	1.30
ANEMONES, single, mixed	.75
" double, "	1.10
OXALIS BOWEII	1.00
" VERSICOLOR	.75
SCILLA SIBERICA	.75
CHINESE LILIES	4.00
FREESIA REFRACTA ALBA, large	.75
LILIUM HARRISII, 5 to 7	3.25
" 7 to 9	8.00

Order at once. Terms cash. **H. L. HOLMES, Harrisburg, Pa.**

Please mention the American Florist when writing

TULIP BULBS

IN PRIME CONDITION.

Single or double mixed, from named sorts.

Per 1000, - $3.50
Per 10,000, - $30.00

This is a genuine bargain. ORDER QUICK.

VAUGHAN'S SEED STORE,

84-86 Randolph Street, **CHICAGO.**

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

Please mention the American Florist when writing.

SEND for our NEW list of stock of plants for EASTER Forcing. (California grown flower seeds). Ready January: Asparagus Sprengeri seed, 100, 75c; 1000, $6.00. Asparagus plumosus nanus seed, 100, $1.25; 1000, $10. Lutania borbonica seed, 100, 40c; 1000, $2.50. Pandanus utilis, 100, $1.25; 1000, $10. Cocos Weddeliana, 100 $1; 1000, $7.50. NOW Ready: Tuberous Begonias, finest strain, single, in five separate colors, doz., 50c; 100, $3; double, doz., 75c; 100, $5. Extra large bulbs. Smaller bulbs 10 per cent less. Gloxinias, doz. finest bulbs, 50c; 100, $3. Address H. H. BERGER & CO., 47 Barclay St., NEW YORK.

SEEDS OF Asparagus Sprengerii,

$7.50 per 1000 seeds, 80 cts. per 100 seeds.

Asparagus Plumosus Nanus,

$10.00 per 1000 seeds, $1.25 per 100 seeds.

Less 10 per cent for Cash with Order.

August Rolker & Sons, 52 Dey St., New York.

ESTABLISHED 1802

THORBURN'S SEEDS

Japan Lilium Longiflorum.

	Per 100	Per 1000
5 to 7 in. circumference	$2.50	$20.00
6 to 7 in. "	2.75	25.00
7 to 9 in. "	4.50	40.00

Lily of the Valley and Lilium Auratum.

Prices on application.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Ball Head and Cauliflower Wibolt's Snowball.

Awarded highest prize St. Petersburg, May, '99.

LILY OF THE VALLEY PIPS.

Please mention the American Florist when writing.

THE EARLIEST

CARQUEIRANNE BULBS!

in ripe perfection and of the highest quality.

Roman Hyacinths,

Narcissi, Freesias, Etc.

Write for lowest quotations direct from the grower.

A. BERNARD, Carqueiranne (Var) France.

Please mention the American Florist when writing.



1900 PRICES

	Per 100
1000 Obconica, in bloom.....3-in.	$3.00
7000 Obconica, strong, 2¼-in.	2.00
5000 Chinese Primula, 2¼-in.	2.00
2000 Forget-Me-Not, winter-flowering.....2¼-in.	2.00
10000 Feverfew Little Gem..... "	2.00
5000 Begonias, flowering, 15 varieties named.....2¼-in.	2.00
10000 Alternantheras, 4 varieties, named.....2¼-in.	2.00
6000 Standard Coleus, 10 fine bedders."	2.00
10000 " " R. C., strong, ...per 1000, $6 00,	.75

5 Plants at 100 Rates. Cash.

W. H. MURPHEY, - Minooka, Ill.

"NOT A CENTURY PLANT, BUT THE PLANT OF THE CENTURY"

is Begonia

GLOIRE DE LORRAINE

Our plants are fine and in very thrifty condition.

$3.50 per doz., $25.00 per 100.

Our stock is sportively inclined. We already have a delicate pink variety and one with partly white flowers.

EDWIN LONSDALE, Chestnut Hill, ...PHILA. PA.

PANSIES

Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000. Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Pansies.

Please mention the American Florist when writing.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.

Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

Orchids!

Just arrived in fine condition, a fresh lot of *Cattleya Mendelii*, also *C. labiata*, *C. Speciosissima* and *C. Harrisoniæ*.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

GOLD FISH and AQUARIA SUPPLIES

SEND FOR PRICE LIST

	Per 100
Select Gold Fish, medium to large	$10 00
Good Gold Fish, medium to large	7.50
Good Gold Fish, small to medium	5.00
Select Silver Fish, medium to large	5.00

Large variety of Fancy Fish.

CHRISTMAS WREATHING, wound on card, heavy quality, $3.00 per 100 yards. ☞Cash with orders.

Keenan's Seed Store, 6112-6114 Wentworth Ave, CHICAGO.

Next Year's Directory.

To the Flower, Seed, Nursery and Allied Trades.

THE next edition of our Directory will soon be ready for the press. This book is in constant use by all the leading wholesale and retail seedsmen, nurserymen and florists of the United States and Canada, and there are many thousands of them. The names and addresses are in process of revision, and the new edition will be issued promptly on January 1. An advertisement in this publication will largely increase your trade; and to insure good position and display, we should have the order early. A copy of the book will be mailed free of charge to all advertisers.

Many of our patrons have expressed the highest satisfaction with the increase of business due to having their names on the alphabetical list in large type. This feature will be continued in the next edition at the small cost of $1.00. For $2.50, sent with order, we will place your name in large type (in the alphabetical list in which it appears), and mail you a copy of the next edition. The book will save you many times its price in the course of the year.

ADVERTISEMENTS.

THE RATES FOR ADVERTISEMENTS ARE AS FOLLOWS, EACH INCLUDING A COPY OF THE BOOK:

FULL PAGE : : : : : :	$25.00
HALF-PAGE : : : : : :	15.00
QUARTER-PAGE : : :	9.00
EIGHTH PAGE : : :	5.00

These rates do not apply to cover pages.

The various spaces are outlined on the other side of this circular.

POSITION.

Every advertisement will be placed on a page opposite important reading matter that will be frequently consulted by buyers of the book.

Send your advertisement early in order that it may be given good position and display. All orders should be accompanied by a remittance.

AMERICAN FLORIST COMPANY,

324 DEARBORN STREET,

Page of our Directory circular. CHICAGO, U. S. A.

Lily OF THE Valley

Vaughan's London Market.

Ask for samples.

Spiræa...

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St.

CHICAGO: 84-86 Randolph St.

V. LEMOINE & SON'S

Nurseries, - Nancy, France,

are headquarters for novelties in greenhouse and hardy plants and shrubs, as well as for the celebrated GLADIOLUS LEMOINEI and NANCEIANUS.

CATALOGUE ON APPLICATION.

Hydrangeas

FOR FORCING.

OTAKSA. THOS. HOGG.

Fine, strong stock, with 4 to 6 crowns, $10 per 100; $90 per 1000.

JACKSON & PERKINS CO. NEWARK, NEW YORK.

We Have a Surplus of some varieties of Carrots, Celery, Cucumbers, Sweet Corn, Lettuce, Musk-melon, Water-melon, Onions, Radishes, Pumpkin, Squash and Tomato Seeds.

We have large stocks of Red and Alfalfa Clover, Meadow Fescue, Millet and other Grass Seeds, Sorghum, Kaffir, Broom and Field Corn, Sunflower and Tree Seeds. If interested, please correspond with us. *KANSAS SEED HOUSE,*

F. Barteldes & Co. Lawrence, Kans.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE Northwestern Fruit Growers' Association will meet at Tacoma, Wash., January 16 to 18.

J. COLE DOUGHTY, for years manager of the Jewell Nursery Co., will take a winter's rest in New Mexico.

AT Riga, Russia, more tons of pine seeds are put on the market each year than at any other point in the world.

THE F. & F. Nurseries, Springfield, N. J., are now the property of Wm. Flemer, O. H. Felmly having retired from the firm.

STEPHEN CRANE, Norwich, Conn., has been the victim of one of the individuals who extract commissions from nurserymen by means of forged orders.

COL. U. B. PEARSALL, secretary and treasurer of the Western Association of Wholesale Nurserymen, will, on January 1, become quartermaster of the Soldiers' Home at Leavenworth, Kas., but will continue the general supervision of his nurseries at Fort Scott.

THE Association of Horticultural Commissioners of Southern California has drafted a bill to be submitted to Congress proposing the establishment of a national quarantine against infested nursery stock of all kinds imported from foreign countries. The bill contains provisions of similar nature to operate as an interstate law.

Western Association of Wholesale Nurserymen.

At its tenth annual meeting at Kansas City, Mo., the Western Association of Wholesale Nurserymen discussed an alleged discrimination in the laws of certain states which unfairly protect home nurserymen from outside competition. Another subject, one which will be taken up by a committee, is the matter of freight rates and classification. It was developed that stocks are lower than for many years and that prices are fully twenty-five per cent above those of a year ago. The plantings next spring are estimated to be about as usual on apples, peaches and grapes but considerably below the average of pears and cherries. The following officers were elected:

President, A. L. Brooke, North Topeka, Kan.; vice-president, R. H. Blair, Kansas City; secretary and treasurer, U. B. Pearsall, Leavenworth, Kan; executive committee, A. Willis, Ottawa, Kan.; Peter Youngers, Geneva, Neb.; E. S. Welsh, Shenandoah, Ia.; J. L. Bagby, New Haven, Mo.; E. J. Holeman, Leavenworth, Kan.

Following are the firms which were represented at the meeting: Bates Bros., Floral, Kan.; Blair & Kauffman, Kansas City; R. H. Blair & Co., Kansas City; Brewer & Stannard, Ottawa, Kan.; A. L. Brooke, North Topeka, Kan; A. H. Griesa & Bro, Lawrence, Kan.; Holeman & Bente, Leavenworth, Kas; D. S. Lake, Shenandoah, Ia.; New Haven Nurseries, New Haven, Mo.; Peters & Skinner, Topeka, Kan.; Stark Bros.' Nursery and Orchard Company, Louisiana, Mo; L. R. Taylor & Son, Topeka, Kan.; Sedgwick Nursery Co., Sedgwick, Kan.; E. S Welsh, Shenandoah, Ia.; A. Willis, Ottawa, Kan.; J. Wragg & Sons, Waukee, Ia.; F. W. Watson & Co., Topeka, Kan.; Youngers & Co., Geneva, Neb.

The next meeting will be at Kansas City on July 10, 1900.

Lynn, Mass.

Lynn has never seen such a general use of Christmas greens as is in evidence this season. All that is lacking is snow to make this a real, old-fashioned Christmas.

Gibb's Bros., at their down-town store, are disposing of a big lot of greens and are booking many orders for Christmas boxes of cut flowers. They had a wedding decoration last week that called for some fine work. Their houses are looking well but tell the same violet story as most of the growers.

Wm. Miller & Son are cutting a fine lot of carnations and report trade better than a year ago.

Wm. F. Newhall has as fine a lot of Campbell violets as one could find and is cutting a fairly heavy crop.

W. B. Newhall, H. G. Wyman & Son, S. H Davenport, Quinlan Bros. and S. T. Good all report trade as better than a year ago, and the holiday demand is considerably ahead of the supply.

Miss A. G. King is about the only one in town who has any chrysanthemums left and so is holding on to them. Miller & Sons have a few Bonnaffons and expect to get a good price for them. TAP.

Fern Balls.

For spring delivery must be ordered now.

VREDENBURG & CO., Rochester, N. Y.

Please mention the American Florist when writing.

HOME OF CHOICE TREES
and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.

Frank Brunton, Mgr. ☞ Catalogue free.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Please mention the American Florist when writing.

NURSERYMEN....

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

VINCA MAJ. VAR. Last offer for dormant stock.
Fine field clumps, $5.00 per 100.
Fine young plants, field grown, $1.50 per 100.
CASH. HENRY KINGSTON, Council Bluffs, Ia.

Nephrolepis Exaltata Bostoniensis...
THE CELEBRATED BOSTON FERN,
in all sizes from
$5.00 per 100, $40.00 per 1000 to
SPECIMEN PLANTS at
75c., $1.00, $2.50, $5.00 and $10.00 each.
Further information cheerfully given.
SATISFACTION GUARANTEED.
EDWIN LONSDALE, Chestnut Hill, ...Phila., PA

Grandest Geranium Under the Sun, **AMERICA,**
flowers large, opening white, changing through all salmon and rose shades into deep, clear rose color. Habit very dwarf; the most floriferous Geranium of the day—50c. each, $5.00 per doz.
Geranium Mars, 2¼-in. pots, $3.00 per 100.
CASH PLEASE.
HENRY EICHHOLZ, - Waynesboro, Pa.

HEADQUARTERS FOR
Palms & Ferns.
Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.
Write for Price List. J. B. HEISS,
The Exotic Nurseries. DAYTON, OHIO.

Named varieties of **GERANIUMS.**
4000 S. A. Nutt, 1000 La Favorite, } per 100.
1000 J. Y. Murkland. } $2.00

VINCA VINES.
A few 4-inch pot plants..... $6.00
" 3-inch " 4.00
8000 rooted cuttings..... 1.50
All Geraniums and rooted cuttings have been planted in flats for 6 weeks past. Cash with order.
WM. A. CLARK & SON, 59 State St., Water own, N. Y.

STORM KING DAHLIA
READY NOW.. **For Forcing.**
Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.
W. P. PEACOCK, ATCO, N. J.
Please mention the American Florist when writing.

ROBT. CRAIG & SON
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA PA.

DEUTZIA GRACILIS.
Strong, bushy plants for forcing, $6.00 per 100.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Send for price list of Hardy Shrubs and Trees.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

LAKEVIEW ROSE GARDENS

.....JAMESTOWN, N. Y.....

WHOLESALE GROWERS OF CUT FLOWERS.

WE CAN FILL ALL ORDERS AT SHORT NOTICE.



PREPARED TROPICAL PALMS —AND— CYCAS ..LEAVES.

Send for Catalogue.

Ostertag Bros., Florists,

Washington and Jefferson Aves., ST. LOUIS, MO.



NOT AFFECTED BY COLD PREPARED PALMS.

An immense output enables us to sell at lowest prices. We pay the freight.

CLARE & SCHARRATH, Orlando, Fla.

Please mention the American Florist when writing.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 15.00
Price for 100 or more on application.

John H. Ley,

Good Hope, WASHINGTON, D. C.

Rooted Cuttings!

PELARGONIUMS,	15 varieties		$2 00 per 100
PETUNIAS,	30	"	1.25 "
HELIOTROPE,	15	"	1.00 "
VERBENAS,	40	"	$5 per 1000. .60 "

Express prepaid except on Pelargoniums. Cash with orders. Do not send checks.

For particulars write.... **S. D. BRANT,** Clay Center, Kans.

Please mention the American Florist when writing.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants—2½ in., $2 00 per 100; $5 00 per 300; 3-in., $3 00 per 100; large plants, 4 in., $1 00 per doz.

SHELLROAD GREENHOUSE CO.,
....Crenge P. O., Baltimore, Md.

Please mention the American Florist when writing.

ALTERNANTHERA, RED AND YELLOW, Rooted Cuttings, per 100 50c. per 1000 $4.00. Selaginella Denticulata, extra fine, 2-in. per 100 $2.00.

E. I. RAWLINGS, Quakertown, Pa.

Please mention the American Florist when writing.

On or about January 1, 1900, we shall

REMOVE

from 51 Wabash Ave. to

32, 34 and 36 Randolph St.,

where we shall be situated to give both buyers and sellers even better service than before.

WHOLESALE CUT FLOWERS, **E. C. AMLING,**

W. S. HEFFRON, Mgr. ...CHICAGO, ILL.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY					
30-36 in. stem			per doz.	$12.00	
24	"		"	9.00	
20	"		"	7.50	
15	"		"	5.00	
12	"		"	3.50	
8	"		"	2.00	

METEOR	per 100	$15.00	
BRIDESMAID	 "	15 00	
BRIDE	 "	15 00	
PERLE	 "	8.00 to 12.00	
CARNATIONS	 "	4.00 to 5.00	
	Fancy.. "	6.00	

Quotations subject to change without notice. All other stock at lowest market prices.

3000 POINSETTIAS!!

Grown to single stems, measuring from 18 to 26 inches in diameter.

American Rose Company,

Write for prices. WASHINGTON, D. C.

Asparagus Plumosus Nanus

STRONG STOCK.

2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000

S. S. SKIDELSKY,
730 Pine Street, PHILADELPHIA.
Mention American Florist

Remember us to our advertisers.

CABBAGE PLANTS.

Field-grown, 15c per 100; $1.00 per 1000; if by mail add 10c per 100. Write for prices on large lots for fall planting.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other var., 15c per 100; $1 per 1000 if by mail add 10c per 100.

PARSLEY, strong plants 35c per 100; $1.50 per 1000; $12.50 per 10,000 if by mail add 20c per 100. Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Minneapolis.

The following scores were made at the last session of the Twin City Bowling Club:

Player.	1st	2d	3d	Av
G. Will	155	146	184	161
J. Hartman	153	112	159	141
E. Nagel	150	125	141	138
R. Wessling	125	90	123	112
Hoppe	119	84	114	105
Aug. Swanson	62	112	64	79
H. Barsh	76	72	59	69

At Chicago.

The Florists' Bowling Club played its first match in the America League on Friday evening, December 15, and submitted gracefully to defeat, three straight games, at the hands of the Amhersts. The score follows:

Florists	1st	2d	3d
Geo. Asmus	168	146	166
H. Coulson	158	155	153
Chas. Balluff	100	168	120
Robt. Schenk	106	143	126
John Degnan	162	156	163
Total	694	788	728
Amhersts	757	818	857

E. C. Benthey, of Benthey & Co., was a participant in a pretty fair game put up by the Cuyler Bowling Club upon a recent evening. This was the score: Quitzow, 220; Stamburg, 190; Ravent, 197; Labrinsky, 185; Benthey, 200; total 992.

At Denver.

The following are the scores made on Tuesday, December 5:

Player	1st	2d	3d	Av.
Al. E. Mauff	212	222	182	205
Chas. Franz	168	189	179	178
Geo. Brenkert	190	144	201	178
Chas. Thiess	128	236	169	178
Chas. Mauff	210	145	179	178
John Berry	179	222	122	174
J. N. Jakobsen	203	159	153	172
Ed. Emerich	124	194	165	161
Geo. Zimmer	146	150	163	153
Don Scott	162	139	149	150
Chas. Meyer	128	151	133	137
Roh't Kurth	117	134	159	137
John Ferris	149	104	134	129
A. M. Lewis	131	143	111	128
E. C. Flohr	106	140	129	125
A. A. Benson	141	110	115	122
Bernard Bear	111	82	146	113
Wm. Lingenbrink	80	129	99	103
Oliver Wheatley	52	97	102	84
Wm. Clark	116	113		114

Following are the scores rolled at the bowling club on December 12:

Player	1st	2d	3d	Av.
John Berry	224	196	191	203
Chas. Mauff	197	160	210	189
A. E. Mauff	197	192	170	186
Ed. Emerick	169	211	165	181
Don Scott	178	176	163	173
Robt. Kurth	139	176	179	165
A. M. Lewis	129	185	180	165
Chas. Meyer		165	166	165
John Ferris	146	164	151	153
Geo. Brenkert	148	150	156	151
J. N. Jakobsen	194	114	127	145
A. A. Benson	124	105	150	126
Geo. Zimmer	111	158	101	123

E. C. F.

At Philadelphia.

A match game between teams captained by John Westcott and William Baker was rolled on the club alleys Thursday night, Baker's team winning by eighty-nine pins, A. L. Brown rolling the high single and total scores. With the first of next year the florists' team will arrange a number of games with other local bowling clubs. The score:

WESTCOTT'S TEAM.

Player	1st	2d	3d	Total.
Westcott	105	123	132	360
Conner	160	157	125	442
Walker	134	174	157	465
Starr	128	144	137	409
Watson	143	140	119	402
Team totals	670	738	670	2078

BAKER'S TEAM.

Player	1st	2d	3d	Total.
Baker	107	176	174	454
Brown	176	180	190	546
Anderson	135	114	153	402
Stoneham	169	133	126	368
Craig	126	136	132	394
Team totals	635	739	775	2167

At New York.

The number attending the customary services at the alleys on Monday evening was small, holiday interests evidently keeping the usual attendants otherwise occupied, but there was a deal of fun enjoyed nevertheless. The only man who took a melancholy view of life was Mr. Hafner, whose ball seemed unaccountably endowed with the peculiar characteristics of the Mexican jumping beans which one frequently sees at the country fair. Scores as appended were made:

Player	1st	2d	3d	4th	5th	6th	Av
Lang			153	162	118	147	145
Donlan	132	122	151	139	144	155	137
Burns	139	119	133	141	115	147	132
Hafner	158	98	115	120			123
Siebrecht	120	151	109	112	105	136	122
Stewart	128	100	90	167	101	123	118
Shaw	91	97	133	110			108

The next meeting of the Bowling Club will be on the evening of Tuesday, January 2.

Pittsburg.

HOLIDAY BUSINESS BRISK.—TOO EARLY TO MAKE ESTIMATES OF RESULTS.—HUSCROFT SELLS OUT TO JOHN B. FERGUSON.

Trade is good this week. Everyone has all that he can attend to in sight for the days preceeding Christmas but at this writing it is impossible to state how far the supply will go toward meeting the demand or how the cash volume of business will compare with previous years. But we are all sanguine.

The principal item of interest is the sale of the business of G. L. Huscroft & Co. to John B. Ferguson, who will continue it at the old stand, 444 Sixth avenue. Mr. Huscroft's retirement, it is stated, is necessitated by his health. Mr. Ferguson is well known to the trade, having a prosperous business as landscape gardener and florist, with greenhouses at 5515 Fifth avenue. He gives it out that he will conduct his new venture along the strict business lines which have made his success in previous undertakings and prosperity should be assured him thereby.

POUGHKEEPSIE, N. Y.—W. G. Saltford reports Thanksgiving trade as very good and bright prospects for Christmas. American Beauties will be scarce. His carnations are in full crop and he gave a free carnation show in his greenhouses December 18 to 20. Two or three growers have excellent violets but several others have closed up their houses. Black fly seems to be a bad fellow to get rid of.

Rose Crimson Rambler.

As a pot plant for retail sales this rose is incomparable. Its hundreds of blossoms all open together and seem to improve for at least two and even three weeks. The bright crimson color holds without fading and contrasts finely with the glossy foliage. It Forces Easily. We have fine dormant stock.

2-year-old, 2 to 3 feet, well branched, own roots, per dozen, $2.00; per 100, $15.00.
3-year-old, 4 to 5 ft., well branched, budded or own roots, doz. $3.00; per 100, $20.00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

CARNATION CUTTINGS.

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	40.00
AMERICA	5.00	40.00
MELBA	4 00	30.00
LESLIE PAUL	4.00	30.00
GOV. GRIGGS	4.00	30.00
MRS. BRADT	3.00	25.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.50	20.00
VICTOR	2.50	20.00
WHITE CLOUD	2.50	20.00

	Per 100	Per 1000
FLORA HILL	$2.00	$15.00
GOLD NUGGET	2.00	15.00
TRIUMPH	2.00	15.00
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
LIZZIE McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
NIVEA	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
AM. BEAUTY	$3.00	$25.00
KAISERIN	2.00	17.50
METEOR	1.50	12.50

	Per 100	Per 1000
BRIDE	$1.50	$12 50
BRIDESMAID	1.50	12.50
PERLE	1.50	12.50

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Peter Reinberg, 51 WABASH AVE., **Chicago.**

THE GRAND NEW ROSE LIBERTY! FOR APRIL DELIVERY.

All Orders Filled Strictly in Rotation.

THE brightest crimson forcing rose in existence. An all year around bloomer. Read record of cut of one house containing 1035 plants for season of 1898.

1898.	Cut.
Sept.	8479.
Oct.	7435.
Nov.	1684.
Dec.	4105.

Prices are as follows....

1899. Cut.	1899. Cut.
Jan. 2570.	May. 5520
Feb. 3120.	June. 4106
Mar. 3008.	July. 7688
April. 5006	Aug. 5146

OWN ROOTED PLANTS IN 2½-IN. POTS.

12 plants		$0.60 each
25	"	.50 "
50	"	.30 "
100	"	.25 "
1000	"	.20 "

GRAFTED PLANTS IN 2½-IN. POTS.

12 plants		$0.75 each
25	"	.60 "
50	"	.50 "
100	"	.40 "
1000	"	.35 "

ERNST G. ASMUS, West Hoboken, N. J.

AGENTS— VAUGHAN'S SEED STORE, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

MANETTI STOCKS! ENGLISH OR FRENCH

FOR DECEMBER DELIVERY. PRICE ON APPLICATION.

Indications are that Manetti Stocks are exceedingly scarce this season, but can still offer good stock in quantity.

HARRY A. BUNYARD, 42 W 28TH ST, **NEW YORK CITY.**

Orders Now Booked For

CARNATION CUTTINGS!

For All Fancy Varieties.
All Cuttings Guaranted Al.

CHICAGO CARNATION CO.,
Greenhouses and address, JOLIET, ILL.

New and Standard Varieties of

CARNATIONS.

F. DORNER & SONS CO., LaFayette, Ind.

Finest Forcing Roses

	2¼-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. Cash with order.

Asparagus Sprengerii. 2½-in. pots; Asparagus plumosus nanus, 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

Carnations. ROOTED CUTTINGS

SEND FOR PRICES.

ALL THE NEW AND STANDARD VARIETIES.

Geo. Hancock & Son. Grand Haven, Mich.

Field-Grown CARNATION PLANTS

ALL SOLD EXCEPT

800 EMILY PIERSON, 100 SILVER SPRAY,
200 MORELLO, 100 SAGINAW.

Will sell the above lot at one-half of cost price to grow, if taken at once. Plants are protected in cold frames and are in fine condition.

CHAS. CHADWICK, L. B. II, Grand Rapids, Mich.

FOR SALE.

Good, healthy MRS. FISHER CARNATIONS, rooted cuttings for summer blooming, $1.00 per 100, $8.00 per 1000.

WM. SCOTT, $1.00 per 100.

ANDREW CHRISTENSEN, Stoneham, Mass.

SPECIAL SALE.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, in bud and bloom, from 4-inch pots, $1.50 per dozen; $12.00 per 100.

Chinese Primroses, fringed foliage, finest market vars. from 2 in. pots, $2 per 100; from 2½-in. pots $2 50 per 100; from 3-in. pots, fine plants in bud $4 per 100. From 4-in. pots, extra strong, in seven colors, including double white, red and single blue, all well set with buds, $1 doz.; $8 per 100. All the above warranted A No. 1 stock.

PAUL MADER, East Stroudsburg, Pa.

25,000 Fine Rooted Runners... **LADY CAMPBELL VIOLETS.**

$5.00 per 1000. Sample free.

WILLIAM SWAYNE, Box 225. Kennett Square, Pa.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	$40.00
MRS. BRADT	3.00	25.00
WHITE CLOUD	2.50	20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2 50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15 00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1 25	10.00

	Per 100	Per 1000
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1 00	7.50
EVELINA	1 00	7.50
MAYOR PINGREE	1.00	7.50
PAINTED LADY	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000
KAISERIN	$2.00	$17.50
LA FRANCE	2.00	17.50
PERLE	1.50	12.50

	Per 100	Per 1000
METEOR	$1.50	$12 50
BRIDE	1.50	12.50
BRIDESMAID	1.50	12.50

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

Grown equally successfully by Hill, Craig, and myself; you are not buying it on a venture, but knowing that it is not a success in one soil and a failure in another.

In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants, never out of crop from September to July, more flowers to the square foot than any other known variety and practically no seconds.

With 18,000 stock plants to work from there is no danger of over propagation, and you are not asked to wait until planting out time for your cuttings but can have them whenever wanted. Orders entrusted to me will have my personal attention, both in the selection of the cuttings and the filling of the order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES at $4.00 now, and a regular assortment of CARNATIONS in a list ready Jan. 1st.

ALBERT M. HERR, Lancaster, Pa.

GIVE US LIBERTY

Will be the cry when the plants are all sold.

Our stock of **LIBERTY,** the greatest crimson scarlet Rose ever introduced, **IS ALL SOLD FOR MARCH DELIVERY.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock, should order at once.

OWN ROOT PLANTS, from 2½-inch po's.

50 plants or more, and less than 100, 30 cts. each
100 plants and up to 1000, 25 cts. each
1000 plants and over, $200 per 1000
3-inch pot plants, 5c each additional.

GRAFTED PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 50 cts. each
100 plants and up to 1000, 40 cts. each
1000 plants or more, $350 per 1000
-inch pot plants, 5c each additional.

ROBERT SCOTT & SON, Sharon Hill, Delaware Co., Pa.

Eastern Agents, ROBT. CRAIG & SON, 49th & Market Sts., Philadelphia, Pa.

Western Agents, BASSETT & WASHBURN, 76-78 Wabash Ave., Chicago, Ill.

AMERICAN BEAUTY

Bridesmaid. Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

Helena, Montana.

This section has apparently been favored with much the same kind of weather this fall that most other parts of the country have experienced. The mildness of the past three months brought in chrysanthemums earlier than usual and Thanksgiving Day practically saw the last of them. The first crop of roses and carnations from new plants was also earlier, owing to the same cause, and the supply for Christmas will be accordingly small. The demand for flowers promises to come up to the standard of former years, while the call for decorative greens of all kinds is heavier than usual. Winter has just arrived.

The Wells Conservatories, now managed by Mr. Allen, are reported to be in excellent condition.

Charles Horn is still doing business at the old stand, the Sixth Avenue Greenhouses, and has Mr. Rustler as head man. The latter gentleman's name seems to be a most appropriate one.

Mrs. Mattie Miller, at the Broadwater Greenhouses, is turning out some of the best Scotts we have seen in a long time.

The State Nursery Co. recently completed a violet house 8x130 which will be used for tomatoes temporarily.

A. J.

Our Brand of

SELECT ...HOLLY

is $5.00 a case.
Two cases for $9 00.

It is more profitable to buy than the loosely-packed, unselected rubbish noisily offered at a few cents less, for our cases contain 25 per cent more Holly and the quality is uniform from top to bottom.

If you want it, don't wait till to-morrow, but place your order NOW.

N. F. McCARTHY & CO.,

84 Hawley Street,

Telephone 734. BOSTON, MASS.

All Florists' Supplies.

Please mention the American Florist when writing.

300,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed

J. L. DILLON, Bloomsburg, Pa.

GERANIUMS Richard Blett, Beaute Poitevine, Mrs E. G. Hill, Wonder, Bruantii, Marguerite de Layers, $30 per 1000; 2½ in. pots of the same, $30 per 100 $3 25 per 100 S. A. Nutt, La Favorite, Jas. Garr, Double Grant and several other good bedders, $15 per 1000; 2½-in. pots, $2 per 1000, $2 50 per 100.

Rose Geraniums, $2.00 per 100.

Skeleton Rose, $2 00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in pots, $1 50 per 100 ; mixed in variety, $5 per 1000, 60c per 100; 2-in pots, $1.25 100.

ACERATUM, Blue and White, 75c per 100. Princess Pauline, $1 00 per 100.

CIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100.

HELIOTROPE, 6 varieties, named, $1.00 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS, $1.50 per 100; 2½ in. pots, $3 00 per 100.

The above are rooted cuttings, except when noted.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

TO CLOSE OUT for want of room, the following plants, ready for a shift.

		Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.	$8.00	
1000	" "	3-in.	5.00	45.00
5000	Pteris Tremula	"	2.50	20.00
2000	" Ensifolia	"	2.50	20.00
2000	" Serrulata Max	"	"	"
3000	" Longifolia	"	"	"
3000	" Serrulata	"	"	"
2000	" " Compacta Nana	"	3.00	25.00
1000	" Onardia	"	2.50	20.00
1500	Nephrolepis Bostoniensis	2½-in.	5.00	40.00
2000	" Cordata Compacta	"	4.00	35.00
2000	" Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

Stock Plants.....

CHRYSANTHEMUMS!

10c. each, or $1.00 a doz.

The following varieties:

Viviand-Morel	Pennsylvania	Golden Gate
Mrs. Egan	Mutual Friend	Mrs. F. Thompson
Kentucky	Mayflower	Mrs. H. L. Weeks
Mrs. Robinson	F. Hardy	Mrs. C. B. Pierce
	Major Bonnaffon	

CARL E. TAUBE,

Mercer Floral Co. TRENTON, N. J.

Mention The American Florist.

Acalypha Sanderi

FINE PLANTS, 2½-inch, $8.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Carnations. We are headquarters for all new and standard varieties. If you want anything write us. All information cheerfully given. Field grown plants all sold.

Chrysanthemums. Stock plants of the leading and standard sorts. Write for prices.

H WEBER & SONS, Oakland, Md.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

THE BOSTON FERN A SPECIALTY.

Only orders booked at.....$5.00 per 100, $40.00 per 1000

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

HOME GROWN PALMS

				Pots	Per doz.	Per 100
Kentia Belmoreana				3-in.	$3.00	$22.00
" "				4-in.	5.00	40.00
	Size	Char.				
	Pots.	Leaves.	High.			
" "	5,	5-7	18-24,		$9-$12	$70-$90
" "	6,	7-8	20-25,		18	144
" "	7,	7-8	36-40,		30-36	240-290
" "	8,	7-8	$3.00 to $4.00 each.			
" "	9,	7-8	5.00 to 7.00	"		
Kentia Forsleriana, 3-in.					$15 per doz.;	$12 per 100
" "		4-in.	$3.00	"	$25	"
" "	5,	5-6	24-30,		$9-$12	$75-$95
" "	6,	7-8	25-30,		18	144
" "	7,	7-8	35-42,		28-30	225
" "	8,	7-8	$3.00 to $4.00 each.			
" "	9,	7-8	5.00 to 8.00	"		
Latania Borbonica, 2-in.					.50	3.00
" "	3-in.				1.25	12.00
" "	4-in.				3.00	23.00
" "	5,	5-8	15-20,		5.00	40.00
" "	6,	6-8	16-24,		8.50	65.00
" "	7,	6-8	18-24,		12.00	90.00
" "	8,	7-8	28-34,		22 00	175.00
" "	9,	7-9	28-36,		34 00	272 00

Ficus Elastica 5-in. 50c; doz. $5.50; 6-in. $8.00 doz.
Livistonia Rotundifolia, 7 in., 12-14 leaves, $2.50 to $3.00 each. **Pandanus Veitchii,** 4-in. to 14-in., 50c to $10 each. **Boston Ferns,** 5c to $2.00 each.
Cycas, Dracænas, Asparagus, etc., in large variety.
Chrysanthemums, stock plants, $10 per 100.
We have 150,000 Tropical Plants on hand. Your visit invited. Term cash, but inspection allowed at express office.

ALBERT FUCHS,
2059-73 N. Halsted St.. CHICAGO.
ESTABLISHED 1884.

CHOICE STOCK

For CHRISTMAS Trade

	Per 100
CYCLAMEN, 4 colors, 2½-in. pots	$5.00
ASPARAGUS SPRENGERII, 2½-in., extra strong,	6.00
" " 3-in. pots, very large,	8.00
PRIMROSES (Chinese), 3-in. pots	5.00
" " 4-in. pots	8.00
" " 6-in. pans....$3.00 per doz.	
" (Obconica grandiflora and hybridum), same size and price as Chinese Primroses. All in bud and bloom.	

NATHAN SMITH & SON, Adrian, Mich.

PLANTS. **..PANSIES..** SEEDS.

....THE JENNINGS STRAIN....

Large Flowering, Superb Colors.

Fine, stocky, field-grown plants now ready in any quantity. If you want first-class plants, these will fill the bill. Finest mixed in great variety of colors, by mail, 60c. per 100 by express, $4.00 per 1000; 5000, $17.00. White, same price.

Seed of above, $1.00 per pkt.; $5.00 per oz.

CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

BOSTON FERN...

2½-in., $5.00 per 100; 5 -in., 50.00 per 100. | 8 and 10-in. pans, from 75c. to $1.50 each.

Nephrolepis Cordata Compacta 2½-in., $5.00 per 100, 8 and 10-in. pans, fine, $1.00 to $1.50 each.

Geraniums, S. A. Nutt, etc., rooted cuttings from soil, $1.50 per 100, $15.00 per 1000.

Asparagus Sprengerii, 2½-in., $5.00 per 100.

CASH PLEASE. CARL HAGENBERGER, W Merlor, O.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

IMPORTANT.

Every retail Florist should have our descriptive wholesale price list of SPECIALTIES, there is money in it for every man in the trade, a few of the good things mentioned below.

VERBENAS, 20th Century set 32 grand mammoth varieties selected from over 100 of the choicest, including the latest Capt. Dreyfus, Helen Gould, Melba and many others. Clean, healthy, vigorous plants of the most fascinating colors and shades, Extra strong 2-in. full of cuttings $2.00 per 100, $18.00 per 1000; extra strong rooted cuttings 60c. per 100; $5.00 per 1000.

DBL. FRINGED PETUNIAS Dreer's and Henderson's latest, known the world over as the standard of perfection, 12 gorgeous varieties. True to name. Extra strong 2-in. $2.00 per 100, $18 00 per 1000; extra strong rooted cuttings, $1 per 100, $8 per 1000.

5000 GERANIUMS, Bruanti (the great scarlet bedder), S. A. Nutt, La Favorite, Athlete and Sweet Scented—strong, 2¼-in., 3c.; $27.50 per 1000.

NEW GIANT CALIFORNIA WHITE MARGUERITE and New Golden; they sell on sight, extra strong 2¼-in, $2.50 per 100; extra strong rooted cuttings $1.00 per 100.

SALVIA SPLENDENS, the old stand by, no other so good. Extra strong 2¼-in. $2 50 per 100; extra strong rooted cuttings, $1.00 per 100.

AGERATUM PRINCESS PAULINE, the great novelty of '98, the only one to grow. Extra strong 2¼-in. $2.50 per 100; extra strong rooted cuttings, $1.00 per 100.

VINCAS, MAIOR AND VARIGATIA, extra strong rooted cuttings, $1.00 per 100.

1000 BRIDESMAID ROSES, strong 2½-in. and 3-in., $2.50 per 100, $20.00 per 1000.

SMILAX SEEDLINGS, extra strong, bushy plants (seed sown August 1st), 50c per 100; $4.00 per 1000 by mail. Extra strong, 2½-inch, 2c. Six foot strings, 12½c.

☞ TERMS STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Please mention the American Florist when writing.

McFADDEN

OFFERS

Boston Ferns

6-in.	75c.
6-in., extra heavy	$1.00
8-in. pans	1.50
10-in. pans	2.00
12 and 15-in. pans	5.00

Adiantum Farleyense

4-in.	50c.
5-in.	75c.
6-in.	$1.50
7-in.	2.00

Emerson C. McFadden, SHORT HILLS, N. J.

Telephone, 10 B, Short Hills.



VERBENA KING.

The largest Verbena grower in the world (Bros. & Sisters); we have them, too, the very best mammoth named vars. on earth and sure to please you at the following prices—60c. per 100. $5.00 per 1000; 5000 for $22.00, 10,000 for $40.00. Write for prices on larger lots.

Look here! we pay express charges on all Rooted Cuttings, and beside, we guarantee satisfaction in every shape or manner and we will do it for

THAT CASH, PLEASE.

C. Humfeld, Clay Center, Kans.

Please mention the American Florist when writing.

ROOTED CUTTINGS. Prepaid

Geraniums, good assortment, $1.25 per 100; Bronze Leaved, Bismarck, McMahon, Cloth of Gold, $1.50 per 100; scented, Shrubland Pet and Pennyroyal, $1.00 per 100

Tradescantia Multicolor, 80c per 100. **White Daisies,** $1 per 100. 2¼-in. plants by express, purchaser's expense. **Boston Fern,** $1 per 100. **Cyrtomium Falcatum,** $3 per 100. **Farfugium Grande,** $5 a 100.

Cash with order. **G. W. WEATHERBY,** Chillicothe, Mo.



3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."

IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other. Large clumps, ready to divide, $5 per 100 or 25 for $1 50 by express. Smaller ones by mail prepaid, same price. A few hundred EXTRA LARGE CLUMPS, $10 per 100, $1.50 for 12.

ASPARAGUS SPRENGERI

2¼-inch, fine, $4.00 per 100; 3½-inch $7.00 per 100.

A BARGAIN. Fine 6-inch pots, will give lots of green, 25 for $5.00; 12 for $2.50.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

THE LACE FERN, POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

THE ORANGE VIOLET. (Browallia Jamesoni). Fine plants 3½-inch pots $1.25 per 12, express.

THE GENUINE EDELWEISS OR SNOW FLOWER.

There is a world of poetry connected with this charming flower. To obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. 10 for $1. 25 for $2, mailed free. Send for sample flower.

A. BLANC, PHILADELPHIA, PA.

Force! Force! Force!

	Per 100
SPIRAEA Japonica	$3.50
" Compacta	5.00
" Astilboides Floribunda	5.00
" Japonica aurea reticulata	5.00

Extra fine and decorative.

PAEONIA Officinalis rubra pleno 10.00

This is the true dark crimson variety, the earliest flowering Paeonia in existence, and the only one good for forcing.

	Per 1000
LILY OF THE VALLEY, selected pips, (German)	$2.00
GLADIOLUS Colvilli The Bride	4.00
" " Rubra	4.00
" May per 100, $2.50,	20.00

Pure white, finely flaked rose, the best for greenhouse planting.

Bobbink & Atkins,
RUTHERFORD, N. J.

Please mention the American Florist when writing.

Verbenas.

75,000, all standard named sorts, much superior to the home made named seedling often sent out. Gauranteed all true to name.

REDUCED PRICES.

Rooted Cuttings, well rooted
60c. per 100; $5.00 per 1,000; 5,000 for $22.00
10,000 for $40.00; 25,000 for $75.00.

In larger lots, write for prices.
We don't care where you live—guaranteed to reach you in good shape. Sent Prepaid.

Send for Price List of Other Stock.

S. T. DANLEY
MACOMB, ILL.

PANSIES

FINE PLANTS. Large Flowing Strain, 50c. per 100, $2.50 per 1000.

PANSY SEED. Non plus ultra, $4 00 per ounce. CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

SPECIALTIES

IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Tell them where you saw the ad.



NOVELTIES FOR 1900.

HIBISCUS PEACHBLOW.

This is one of the finest plant novelties offered in recent years. The flowers are double and from 4 to 5 inches in diameter. Color a clear, rich pink with a small, deep crimson center, an entirely new and most beautiful shade. 2¼-inch pot plants, per dozen, $1.50; per 100, $10.00. March.

AGERATUM STELLA GURNEY.

The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen, $1.25; per 100, $8.00. March.

VAUGHAN'S SEED STORE, CHICAGO NEW YORK

REAL ESTATE.

Land with or without greenhouses, in different parts of the United States. Bargains can be had and opportunities opened for profit. Write for particulars and state your requirements.

SMITH & SMITH,
345 Sixth Ave., Pittsburg, Pa.
Brokers in Real Estate, Glass, Pipe, Boilers, Etc.

Nashville.

DOINGS IN TENNESSEE.—MANY ADVANCE ORDERS FOR THE HOLIDAYS.—PROSPECT FOR FAIR SUPPLIES.

Florists in this city are looking forward to a big business for the holidays, for advance orders are numerous and several of the leading dealers report a larger booking than for several years past. The fine weather of autumn hurried on the stock to such a degree that there will be no surplus for the holidays. But, all conditions considered, the leading dealers think they will have plenty to supply all demands. Prices will be higher than formerly, but buyers seem to realize the conditions and are meeting the rise with good nature and liberality. One dealer reports that he will have an unusual and abundant stock of American Beauty. Kaiserins are very fine and will come in just in time for the holiday trade. Another grower, whose specialty is carnations, says that he will have a good stock, particularly of Scott. The smaller flowers, Romans and narcissi will be abundant and will be sold comparatively cheap. Plants are abundant.

Joy & Son have had a palm sale for the past ten days, working off at good prices all the young plants that they did not desire to keep for stock.

We are well supplied with all the novelties in baskets, jardineres and violet boxes. M. C. DORRIS.

Mansfield, Ohio.

The first thing that attracted my attention upon alighting from the train, was a handsome delivery wagon, drawn by a pair of spirited horses, an outfit that would compare favorably with the best I have seen in larger cities. A neat inscription showed that it belongs to the Berno Floral Co. That enterprising firm, with young Mr. Berno at the head, seems to have achieved its success by leaps and bounds, as the saying goes. In 1892 they made their start with one house; a year later a second one was added, and, little by little, as business began to show some signs of improvement, other structures were built. The addition during the past summer consists of two houses, one 10x60 and the other one 16x40. All told their establishment consists of 10,000 feet of glass. Another house, to cover 16x180, especially adapted to carnations, will be built in the spring. HOMO.

Meyer Green Silkaline for tying bouquets and stringing Smilax and Asparagus. Can also be had in colors to match the natural flower shades. Send for samples and prices.



JOHN C. MEYER & CO.,
Mfrs. and Wholesalers,
87 Summer St. Boston, Mass.

The MODEL Extension Carnation Support.

FLATBUSH, BROOKLYN, N. Y. Feb 18 '97.

MR THERON PARKER.

Dear Sir.—Your wire stake is certainly a gem. Without hesitating we indorse it as an up-to-date carnation support. Yours truly, DAILLEDOUZE BROS.

THE MODEL PLANT STAKE CO.,
THERON PARKER, Mgr., Inventor and Patentee,
226 No. 9th STREET. BROOKLYN, N. Y.



CYCLONE SPRAY PUMP

THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all polished copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.
STEVENS & CO., 107 Chambers St., N. Y. City.

Simplicity in Greenhouse Construction.

During our long experience we have not only made many improvements in greenhouses, but we have so simplified the construction that building a greenhouse is no longer a matter so full of complications as to tax the patience and the ingenuity of even the most intelligent mechanic. Our

Clear Cypress Building Material

is worked out in the best manner ready to be put up, and we furnish our customers such complete detail drawings that any workman of only ordinary capabilities can put it up correctly.

Write for Circulars or Estimates.

Lockland Lumber Co.
LOCKLAND, OHIO.



STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate,	$4.88	120 7-in. pots in crate,	$4 20
1500 2½ " "	5.25	60 8 " "	3.00
1500 3½ " "	6.00	48 9 " "	3 60
1000 3 " "	5 00	48 10 " "	4 80
800 3½ " "	5.80	24 11 " "	3 60
500 4 " "	4.50	24 12 " "	4 80
320 5 " "	4 51	12 14 " "	4 80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST ROLKER & SONS, New York Agents
52 DEY STREET NEW YORK CITY.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO. ILL.

Please mention the American Florist when writing.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

TELEGRAPH CODE
OF THE
AM. SEED TRADE ASSOCIATION
$2.00,
In either stiff or flexible cover. ADDRESS ORDERS TO
AMERICAN FLORIST CO., CHICAGO.



Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.

STANDARD FLOWER POTS

FIRST QUALITY.		CREAM COLOR.	
1¾ in., per 1000	$2 40	3½ in., per 1000,	$ 4 95
2 in., "	2 75	4 in., "	6 20
2½ in., "	3 35	5 in., "	10 80
3 in., "	4 70	6 in., "	16 50

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.

Standard Pots Made by
Good Railroad Facilities For shipping.
Special Attention Given to Mail Orders, and Special Sizes Made to Order.
KELLER BROS.
NORRISTOWN, PA.
Price Lists Furnished on Application.

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
J. G. SWAHN'S SONS, P. O. Box 78, MINNEAPOLIS, MINN.

M. RICE & CO.

ARE EXCLUSIVE IMPORTERS AND MANUFACTURERS OF

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Moss Wreaths, Baskets, Wheat Sheaves, Doves,
Grasses, Immortelles, Pot Covers, Metal Designs,
Chenille, Plateaux, Cape Flowers, Lace and Paper Handkerchiefs.
Prepared Palm Leaves, Pedestals, Palm Plants, Etc., Etc.

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MANUFACTURERS OF FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1¼ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager.
84 Hawley St., BOSTON, MASS.

Florists' Boxes AND Mailing Packages



The Dayton Paper Novelty Co.,

DAYTON, OHIO.

The Philadelphia Wire Works.

HENRY RAJSIK, Proprietor.

Manufacturers of all kinds of

WIRE GOODS For Florists' Use.

ANY FLORAL DESIGN AT SHORT NOTICE.

807-809 No. Fourth St., PHILADELPHIA, PA.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.
Send for Prices.
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ESTABLISHED 1866 **EMIL STEFFENS** SUCC.TO N. STEFFENS. AND STEFFENS BROS.

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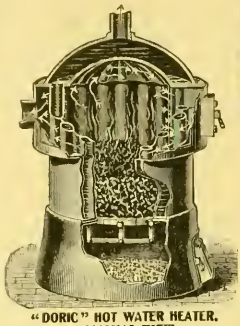
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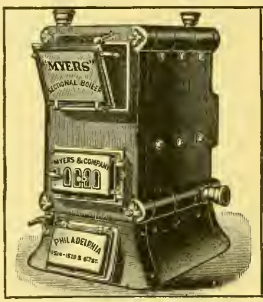
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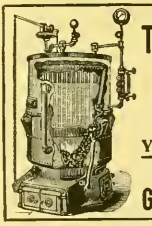
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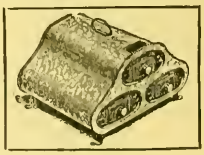
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Vol. XV. **CHICAGO AND NEW YORK, DECEMBER 30, 1899.** **No. 604.**

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—W. N. RUDD, Mount Greenwood, Ill., president; P. BREITMEYER, Detroit, Mich., vice-president; W. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

OFFICERS-ELECT [to be installed January 1, 1900], E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; secretary and treasurer as before.

THE AMERICAN CARNATION SOCIETY.

Annual Convention at Buffalo, February, 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., Secretary.

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THE CHRISTMAS TRADE.

THE considerable number of reports of the Christmas trade which have come to hand represent nearly the entire country and are generally optimistic in tone. Few fail to specify an increase and in not more than one or two instances is there complaint of decrease in the volume of business and, these isolated cases being probably the result of local causes, it may safely be asserted that the season has been the best on record. There was some scarcity of stock but increased glass area has done much to overcome the usual Christmas shortage. Beauties were very generally in greatest demand and shortest supply but Meteor was a close second in favor. Carnations, particularly bright colored sorts, were in stronger demand than ever before and, even with greatly increased production, were in short supply at many places. Violets were scarce but bulbous stock was plentiful. It is noted that qualities were generally of the best. Nearly all reports indicate increased sale for plants, particularly flowering or berried subjects, and in many cases prices, both for cut flowers and plants, are reported slightly higher than in recent years. Several correspondents mention largely increased sales of holly. A number of the reports follow:

LARAMIE, WYO.—Mrs. G. A. Hertzog states that Christmas trade was twenty-five per cent ahead of a year ago, and that stock was scarce.

ATCHISON, KAN.—R. J. Graves says Christmas was big, but only about equal to other years. There were too many roses; everything else sold clean. Ferns were in particular favor.

NEW LONDON, CONN.—Trade was one-fourth heavier than last year, according to John Spaulding. There was enough stock, but prices were higher. The call was for carnations and cheap plants.

OKLAHOMA CITY, OKLA.—There was not enough stock to supply the trade and prices were very good. There were two calls for carnations to one for roses, according to the Oklahoma Floral Co.

TOLEDO, O.—Geo. A. Heinl estimates trade as ten per cent better than a year ago. Roses were very scarce but the supply was of better quality than usual. There was an increased sale for plants of all descriptions.

BIRMINGHAM, ALA.—H. A. Lindsay reports double the flowers sold but at half the usual Christmas prices. There was a heavy demand and shortage of red carnations and roses. There was but little call for plants.

PROVIDENCE, R. I.—Violets were the short item and carnations the favorite for Christmas, says W. E. Chappell. The increase in business was twenty-five per cent. Plants sold well. There were more lilies than ever before. People made no complaint at the prices for good stock.

PADUCAH, KY.—C. L. Brunson & Co. say their Christmas sales were more than double those of a year ago. Prices were about the same. Carnations were the greatest shortage. Flowering plants were in marked favor.

NASHUA, N. H.—August Gaedeke & Co. report a small increase in trade but prices were low. There was enough stock, most of it good, except carnations, which were much sought. Poinsettias and primroses led the plants.

OTTAWA, ONT.—Trade was one-third greater than last year and prices advanced slightly. Carnations were in especial demand. Graham Bros. report a great trade on flowering plants, a trade which is increasing year by year.

PITTSFIELD, MASS.—Trade was one-fourth greater, both on plants and cut flowers. John White says that there was stock enough, and good, except violets. Palms, cyclamens, primulas and begonias were in favor in the order named.

WILMINGTON, DEL.—Harry P. Potter writes it down that sales were double last year's, with prices about twenty per cent higher. There was enough stock, mostly very good, except violets. Twice the usual number of plants were sold.

DETROIT, MICH.—J. F. Sullivan estimates the city's Christmas expenditures for plants and flowers as one-fifth greater than last year. Prices were not higher, but selling was easier. Beauties were very scarce, violets and good carnations only less so. There was sale for all flowering plants, and poinsettias and other novelties sold easily at good prices.

SPRINGFIELD, ILL.—Trade was about the same as last year and that means that it was good. Louis Unverzagt reports that he could not sell poinsettias at any price.

OMAHA, NEB.—Hess & Swoboda report that the Christmas business in this city exceeded any previous year. There were enough flowers of improved quality and prices did not advance.

LANCASTER, PA.—H. D. Rohrer says that the supply of carnations was far short of the demand but that the sales equalled last year. Stock was better than usual all through.

KENNETT SQUARE, PA.—Christmas business was a fourth larger than a year ago. Supply equalled demand. Stock was better than usual. Wm. Swayne noted that orders came early.

LYNN, MASS.—Stock was short but business increased ten per cent. Carnations and chrysanthemums were much sought. J. L. Miller reports Begonia Gloire de Lorraine in great demand.

KOKOMO, IND.—There was a marked increase in Christmas calls for carnations and W. W. Coles estimates business as ten per cent greater than last year. Palms sold best among plants.

PONTIAC, ILL.—W. A. Miller reports a Christmas trade ahead of any previous year, although roses were scarce. He had plenty of carnations and Jubilee was an especial favorite because of its color.

WATERBURY, CONN.—A. Dallas sums up the trade as follows: Fifteen per cent increase; supply all right; same old complaint of salted stock; carnations in unusual demand; plant sales increased one-half.

TRENTON, N. J.—There were enough flowers except Beauty, say C. Ribsam & Sons. Beauty was in greater demand than ever. Qualities were generally good. Bulbous stock did not move. Plants were in greater favor, especially rubbers.

NEW HAVEN, CONN.—Business was double last year's; prices higher although stock was plentiful; qualities were good; red carnations and Meteors had the call; flowering plants in fancy receptacles sold better than ever.

KNOXVILLE, TENN.—Everybody is satisfied with an increase of about twenty-five per cent; supply equalled demand; largest call for Beauties ever known. A very noticeable decrease in the sale of plants is reported by C. W. Crouch.

BRIDGEPORT, CONN.—Five firms have started in business here since last Christmas and did well but the old houses sold as much as ever. There was less call for flowers, more for plants. Jas. Horan & Son note a special call for narcissi.

TOPEKA, KAN.—The Bates Floral Co. say that business was about the same as last year. There was a shortage of pink roses, carnations and violets, for which there was increased call. Fewer blooming plants were sold, more decorative.

MILWAUKEE, WIS.—C. B. Whitnall reports that the trade as a whole enjoyed the best Christmas on record and that there were neither flowers nor plants enough to go around, although the call for the latter seems to assure a better supply next year. There was much good stock and an increased call for orchids, poinsettias and stevia. The demand for Beauties was far beyond the possibilities of supplying.

NEW BEDFORD, MASS.—Christmas trade was double last year's; prices were the same; stock was good, carnations and violets particularly scarce. There was a big call for azaleas and primroses and E. S. Haskell reports great trade in greens.

FORT WAYNE, IND.—Markey Bros. report trade in this city one-third heavier than a year ago, with an adequate supply of flowers but higher prices. There was an increased demand for carnations, for flowering plants and for greens of all kinds.

INDIANAPOLIS, IND.—H. W. Rieman says trade averages twenty-five per cent better than last Christmas. Supply was adequate as a rule and prices and qualities the same as a year ago. Blooming plants of all kinds were good sellers; so were palms.



THE LATE BENJAMIN K. BLISS.
(See page 645.)

LINCOLN, ILL.—W. H. Gullett & Son enjoyed a Christmas trade sixty per cent greater than a year ago. There was sufficient stock but prices were slightly higher. To quote them: "People had money and let loose of it without roaring over prices."

CHAMPAIGN, ILL.—Thos. Franks thinks trade fifty per cent better than last year and prices twenty-five per cent higher. Stock was short but good. The special calls were for carnations and flowering plants. Large quantities more of greens could have been sold.

BANGOR, ME.—The holiday trade was as good as could be wished. Cut flowers were plentiful and popular, but there was sale for more blooming plants than could be supplied. Carl Beers says that the season has been excellent and that the outlook for spring is bright.

ST. LOUIS, MO.—Ostertag Bros found their Christmas trade double that of a year ago and believe that their experience was no exception to the rule. There was enough stock and the quality was better than usual. The marked preferences were for Beauties and Meteors in flowers and palms and rubbers in plants. They sold a great many Christmas bells, three to ten inches high, made of thin wood and covered with immortelles.

HARTFORD, CONN.—D. A. Spear says trade showed a twenty-five per cent increase. Stock was short and prices higher. Violets and carnations were favorites. There was decreased call for flowering plants but better sale for decorative stock, especially ferns.

ADRIAN, MICH.—Nathan Smith & Son say that Christmas trade was half again larger than last year. In cut flowers qualities were high with supply equal to the demands. There was increased call for decorative and flowering plants. Greens, like everything else, sold well.

BALTIMORE, MD.—E. A. Seidewitz says that trade was about the same as last year, with enough cut flowers and lower prices, except for carnations. There was a decided increase in the call for blooming plants, the medium values of which Mr. Seidewitz says are taking the place of cut flowers.

OSWEGO, N. Y.—The Christmas sale of cut flowers was something unprecedented and decorative plants sold well at good prices. W. M. Mattoon reports his trade double that of last year. There was enough stock, nearly all good, and it cleaned up well. Violets and Roman hyacinths were favorites.

UTICA, N. Y.—The Christmas trade was one-third better than last year according to Wm. Matthews' estimate. Prices were higher but there was not sufficient stock to go around. The special calls were for violets, orchids, red roses and fancy carnations. Medium priced pot plants were in demand.

IOWA CITY, IA.—Christmas trade showed a fifty per cent increase according to James T. Aldous & Son and prices were a great deal higher, although there was enough stock. The qualities were fine. There was a marked increase in calls for carnations and plants of all kinds sold better than ever before.

ELMIRA, N. Y.—Everything sold which was in shape for Christmas. Prices were reasonable and qualities good. Palms and blooming plants went well. Grove P. Rawson had about 2,000 late chrysanthemums, Wm. H. Chadwick, Eclipse, Mrs. S. T. Murdoch and Cullingfordii, which brought good prices.

CLEVELAND, O.—Fifteen per cent is A. H. Graham's estimate of the increase in Christmas trade. F. R. Williams places it at ten per cent. There seems to have been enough stock, but with none to spare. Carnations were in big demand and flowering plants in increased popularity. People paid the price with better grace than usual.

SALT LAKE CITY, UTAH.—P. T. Huddart estimates the Christmas trade as one-third ahead of last year, with a shortage of stock, good qualities and better prices. There was extra call for violets, carnations and good roses. Plants sold no better than heretofore. People were ready to pay for good stock, but poor flowers would not go at any price.

GRAND RAPIDS, MICH.—J. A. Creelman estimates the holiday trade of this city at twenty-five per cent more than last year, largely due to better prices. There was a supply of cut flowers about equal to the demand, violets leading in favor, red carnations and roses following. In plants all flowering stock went, Henry Smith making a hit with azaleas. The Grand Rapids Floral Co. did well with a large supply of poinsettias.



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HORTICULTURE, GRAPHIC ARTS AND FORESTRY BUILDINGS OF THE PAN-AMERICAN EXPOSITION.

ALBANY, N. Y.—Goldring Bros. found trade about the same, plenty of stock and prices a little lower. There was lively sale for flowering plants but not at big prices. People will not stand the high prices for the holidays and those who buy throughout the year use other merchandise for Christmas.

SYRACUSE, N. Y.—The consensus of opinion is that the Christmas trade was the best on record. R. H. C. Bard reports an unprecedented call for blooming plants, which the mild weather made easy of delivery. Meteors and red carnations were in short supply. Holly was in demand and most of it fine.

HARRISBURG, PA.—There were flowers enough and to spare for a Christmas trade which G. Hanson estimates as nearly a third greater than last year's. Flowering plants sold well, but the call was for cheap goods, due perhaps to a department store's precedent established with some over-forced stock.

ST. JOSEPH, MO.—L. J. Stuppy says that the holiday business was greater than usual and prices higher. Roses at $2 to $3 per dozen were a little too much for most people and carnations at 75 cents to $1.50 went better. Azaleas were in favor and there was increased sale for all plants in pots and pans.

WORCESTER, MASS.—The increase in Christmas prices was twenty per cent, according to A. H. Lange's estimate. Prices were high, stock good, but there was a shortage of red flowers. There was increased sale for both decorative and flowering plants, and for berried subjects, such as oranges, solanums and ardisias. Boston fern was also a favorite.

LINCOLN, NEB.—The business for Christmas was the best ever known here, fully forty per cent ahead of last year. Stock was good and higher prices prevailed. According to Chapin Bros. trade has exceeded the supply quite regularly of late, despite the fact that pretty nearly every one built last year, and the indications point to extensive building again next summer.

ROCHESTER, N. Y.—J. B. Kellar reports that the Christmas trade here was very satisfactory. Prices were very high on cut flowers and the sale for plants is increasing every year. Violets were $5 per hundred, Beauties $18 to $24 a dozen and no carnations sold for less than 75 cents while fancies went up to $4. Poinsettias were in high favor. The call was for bright colored flowering plants but the scarcity of the usual subjects compelled recourse to many things not ordinarily popular at this season and good prices were the rule.

PITTSBURG, PA.—The wholesalers had a big Christmas and the retailers were rushed, trade exceeding expectations. Extra Beauties retailed as high as $36 a dozen; violets, which were fine, brought $4 to $6 per 100. There was an overstock of poinsettias. The demand for good holly far exceeded the supply. Plants of all kinds sold better than in previous years.

POUGHKEEPSIE, N. Y.—M. J. Lynch believes that the volume of Christmas trade was ten per cent greater than a year ago. There were plenty of good flowers except Beauties, which were higher. Carnations were in greatest demand. There was more call for flowering than for decorative plants. Twice as much holly was sold as last year, and at good prices.

DES MOINES, IA.—R. L. Blair says that Christmas trade was cut down by advance reports of scarcity and high prices. Buyers refused to place orders and at the last minute there was sufficient stock and prices were lower than quoted in advance. There was a greater demand for blooming plants and Boston ferns. Palms and rubbers sold well but azaleas were not in it.

TORONTO, ONT.—Holiday trade was greater than ever with John H. Dunlop. Beauties and select stock were higher in price. Supply was not equal to demands and qualities were not high because of much dark weather. Violets and Meteors were the especial favorites. Flowering plants were chiefly called for. G. H. Mills says that everything salable was taken and orders went begging.

Horticulture, Graphic Arts and Forestry Buildings of Pan-American Exposition.

The three buildings for horticulture, graphic arts and forestry at the Pan-American Exposition of 1901 form a picturesque group at the end of the west garden. The largest of these, the Horticulture building, stands between the other two on an axis with the garden. The Forestry building is on the north side; the Graphic Arts on the south, adjoining the lake. Arcades connect the three buildings, forming in front a semicircular court. Between the arcades the ground rises slightly to the level of the Fountain of the Seasons. The area of the Horticulture building is 45,000 square feet. The Graphic Arts and Forestry buildings each cover 30,000 square feet, and are similar in design. In plan, the Horticulture building is square, with central lantern, rising to a height of 240 feet at the intersection of the four arms of a Greek cross, which includes in its angles four small domes. On the center of each facade is a deeply recessed arched entrance. The Graphic Arts and Forestry buildings have four corner towers, and on the east facade a vaulted loggia of three arches forms the main entrance. Above the red roofs of Spanish tile numerous, lanterns, pinnacles and Venetian flagpoles bearing gaily colored banners add a festive picturesqueness to the sky line.

The broad white wall surfaces of the buildings are ornamented with colored bas-reliefs. Arabesques of twining vines of fruit and flowers, among the branches of which are children and birds, decorate the numerous pilasters of the facades and arcades. Above the eastern entrance of the Horticulture building are two colored compositions representing Ceres, the goddess of the harvest, bearing in her arms a sheaf of golden wheat. Her chariot is drawn by three lions led by two mythologic figures. The decoration of the Graphic Arts and Forestry buildings is chiefly confined to the vaulted ceilings of their loggias, where the brilliantly colored decorations remind one of the famous example of the Villa Madama.

The Propagation of Ferns.

Perhaps the most interesting feature of the cultivation of ferns is their propagation. This is effected along two chief lines—(1) vegetatively, or (2) by means of spores. There are various ways in which ferns may be vegetatively reproduced. Some, like adiantums, nephrolepis, platycerium, produce tiny plants and bulbils on their roots, which, at the proper time, may be severed from the parent plant and made to start life on their own account. Others, again, develop young plants at the tips of their fronts, such as some aspleniums and adiantums. These, if the parent fronds are pegged down to the soil, will emit roots in a short time, and soon after being severed from the frond, grow into plants resembling their parents. Other aspleniums, as A. bulbiferum, and a few other ferns, such as Cystopteris bulbifera, produce tiny bulbils on their fronds. This mode of vegetative reproduction differs from the last in the fact that the

young plantlets do not develop foliage leaves until after they have established themselves as independent units, and put forth roots into the soil, and in the fact that while in the former case the offspring become fixed by their roots in the soil before severance from the parent fronds takes place, the bulbils drop off at an early period, and having food substance stored up in their fleshy tissues can set about emitting roots and establishing themselves, preparatory to developing into ordinary individuals, at their leisure.

APOSPORY.

There is a species of aberrant vegetative reproduction termed apospory, in which, not as in the asplenium, etc., a "fern plant," but a sexual plant or prothallus, is produced in the place of spores. In the Athyrium filix-fœmina var. clarissima and Pteris aquilina, the sporangium suspends its usual function of spore production and develops a green prothallus in their place. In Polystichum angulare var. pulcherrima, Scolopendrium vulgare, and Trichomanes alatum, the prothalli are produced quite independently of the sporangia, as outgrowths from the edges of the pinnæ. An abnormally moist environment may be one of the factors inducing this phenomenon.

Ferns with underground rhizomes, such as some adiantums and struthiopteris, as also those with creeping subaerial rhizomes, such as davallia, may be propagated by careful division of their rhizomes, care being taken that each severed portion is provided both with a growing point, root, and fronds, and has not yet started into new growth. Plants such as Adiantum cuneatum and A. Farleyense, as also some of our common hardy ferns, such as the polystichums and lastreas, which form a number of distinct crowns, may be easily multiplied by careful division and pulling apart of these crowns, so that each new piece which is to form a fresh plant shall be possessed of plenty of roots and leaves wherewith to start its independent existence. Lastly, the nephrolepis, and a few others, send out runners or sarmenta bearing bulbils at intervals, which, eventually rooting, start life on their own account, and become severed from the parent stem.

APOGAMY.

I have spoken hitherto of vegetative reproduction; i. e., in which the special reproductive organs of this generation, known as spores, take no part as it occurs in the "fern plant." But in the sexual plant vegetative reproduction is also known to occur under certain conditions, in which a young "fern plant" is developed as an out-growth of the prothallus quite apart from, and independently of the sexual organs. This phenomenon is known as apogamy. It must be regarded as an abnormal species of reproduction, due, probably, to the peculiar conditions to which the prothalli are subjected. Apogamy is known to occur in Pteris cretica, Aspidium filix-mas var. cristatum, A. falcatum, A. frondosum, Lastrea dilatata var. cristata gracilis, Scolopendrium vulgare var. ramulosissima, Athyrium filix-fœmina, Todea Africana, T. pellucida, and T. rivularis. In Trichomanes alatum apogamy and apospory are combined, the prothalli produced on the fronds being apogamous.

In Scolopendrium vulgare var. ramulosissima and Lastrea dilatata var. cristata gracilis prothalli have been discovered assuming partially the *rôle* of "fern plants," for they bore sporangia like those produced normally on the fronds of the asexual generation.

In Gymnogramma leptophylla the "fern plant" is annual; but the prothallus is perennial, forming adventitious branches, which subsist as tubers in the ground from year to year.

In the hymenophyllaceæ, or filmy ferns, the production of small gemmæ, or buds, from the prothallus, is of frequent occurrence, as in hymenophyllum and Trichomanes alatum. In vittaria, one of the polypodiaceæ, peculiar chains of gemmæ are formed at the ends of short stalks. In all these cases, the gemmæ on germination give rise to new prothalli. This formation of gemmæ is no doubt connected with the damp habitat of the plants concerned.

It will thus be seen how ferns, like many other plants, have adopted numerous methods of reproducing themselves vegetatively, i. e., without the aid of spores or sexual organs, whether it be by means of bulbils or tiny plants produced on the fronds, stems, roots of the asexual or "fern plant," or on the thallus of the sexual plant or prothallus, or by means of the lateral extension of the rhizome, whose newly formed portions may or may not become eventually detached from the original parent stock. It would seem also, that, as in the case of many another plant, so also with ferns, many of those species which for a long period have become addicted to this vegetative method of propagation, have in some degree, lost the power to reproduce themselves by means of spores or sexual organs. This, however, as in the case of some of the higher plants, may be partly a result of the long treatment under cultivation to which they have been subjected.



THE LATE JOHN GIBSON.
(See page 645.)

The species with an upright caudex or stem, such as the tree ferns, some lomarias, and many of our hardy forms, such as the lady and male ferns which are naturally incapable of having their stems divided, must always be propagated by means of spores.

PROPAGATION FROM SPORES.

The circumstances connected with the development of ferns from spores, are among the most captivating and interesting in the whole history of plant-life. The ordinary fern plant, consisting of stem, roots, and leaves, so well known to everyone, can hardly, strange as it may seem to say so, be considered as representing the ordinary normal stage of the plant's life-history; the latter must rather, as in the moss-plant, and all flowering plants, be that in which the sexual reproductive organs are developed —organs which in the "fern plant," as "the man in the street" knows it, are entirely absent. The fern plant is rather to be regarded as a new stage—a new generation, as it were—intercalated into the life-history, when the ancestors of these plants first assumed a terrestrial habit of life. On adoption of this terrestrial mode of life, the plant, which before was a simply built organism, gradually became a highly complex being, with strongly differentiated tissues, which eventually, in the course of ages, culminated in the "fern plant" as we know it to-day. The main object of this greater differentiation of the various organs, and their increase in size and number, was the production in as large numbers as possible of asexual reproductive organs, known as spores, adapted by their minute size and lightness for transportation by the wind to a great distance. But the original, simply built sexual generation, still, of course, persisted, although it, too, assumed a terrestrial life, though confined always to situations sufficiently moist to allow of the antherozoids, or male reproductive bodies, swimming about and reaching the female organs. Every new individual developed sexually from the simple primitive generation gives rise to the "fern plant," or asexual generation. Each spore thrown off from an asexual "fern plant" develops in its turn into a sexual plant, bearing antheridia and archegonia, and commonly termed a "prothallus." This is the highly interesting and absorbing cycle of the life history of the fern. The multiplication by means of spores enables the plant to spread itself widely over the face of the earth; but there must always be the constant cyclic return to sexual reproduction at a given period, or else the vigor and extensive distribution of the race could not be maintained.

The compost used on which to sow the spores should consist either of the mixture of loam, peat, leaf mould, and sand above given, when the soil should be well sterilized, so as to destroy all spores of other ferns or of fungi, etc., which may be lurking therein, or it may consist of finely broken bits of peat, sandstone, brick, or loam; we used a mixture of chopped sphagnum moss and finely broken crocks. The surface of the compost in the pot or pan, after being moistened, should be thickly covered with spores, and the pot or pan then covered with a glass shade or lid, so as both to keep the surface moist and to prevent the entry of any foreign bodies. The pots or pans should thereafter stand in saucers, and be watered from below, so that the water rises from the saucer up through the soil to the spores on the surface, and thus constantly keeps the latter damp. If watered from above, the spores are sure to get displaced and disturbed.

After a certain period the spores will begin to develop, by the extension of its tissue, and the production of chlorophyll therein, each into a green body, the prothallus bearing the sexual reproductive organs, the antheridia and the archegonia on its lower surface. Each such sexual plant exhibits no differentiation

into stem and leaf, like the asexual plant, but consists simply of a flat thallus, like a liverwort, in which stem and leaf are united in one, and roots emitted from the lower surface of the latter. The moisture in which these prothalli must constantly be bathed by means of adequate watering from below, affords the medium in which the spermatozoids, escaping from the antheridia, are enabled to swim about and reach the archegonia, whose ova they fertilize.

Small areas of the mass of prothalli, after they have reached a certain age, must be separated, and placed in pans, and when the young fern plants which have developed from the fertilized archegonia have attained a certain size, they require to be pricked out in rows in pans or boxes until they are large enough to be planted in some suitable shady situation out-of-doors.

Thus we see how different must be the cultural treatment of these lowly cryptogamous plants from what obtains in the higher circles of plant life, and a careful study of their life history will necessarily greatly aid us in acquiring a right comprehension of the why and wherefore of their peculiar mode of culture.—*W. C. Worsdell in the Gardeners' Chronicle.*

Christmas Advertising in Philadelphia.

The samples reproduced are interesting as showing the tendency to an increased use of the daily newspapers in pushing business among the retail stores. At the rates which the papers charge I doubt whether spasmodic advertising in this direction pays. If it is kept up continually and judiciously the outlay would be money well spent eventually. This in addition to a well written, well displayed advertisement. Fox's offer on the upper left is an example of good advertising, Crawford's at the lower center of bad. If the Crawford advertisement had been in the possessive case it might have been harmless even if it was a waste of money. It is but fair to this house to state that they usually do much better.

G. C. WATSON.

CARNATIONS.

LIME FOR CARNATIONS.

There are few soils which will not be benefited by an application of lime and practically none that will be injured by it. To ascertain the exact amount required have your state experiment station analyze the soil and find out just how much available lime it contains, then add sufficient to bring the analysis up to two per cent. If you do not care to be so exact give the soil an application of lime about as heavy as you would of bone meal and you will be pretty nearly right.

Lime has a direct chemical action on the soil and aids in making nearly all the fertilizing constituents of the soil available for plant food. This is especially noticeable in soils that have been heavily manured and yet do not seem to bring the flourishing growth one would expect. A good application of lime to such a soil will act almost like magic and will stiffen up and exhilarate the plants almost beyond recognition. Lime also has the power to sweeten and bring back into shape for use soils that have been soured by the over application of fertilizers.

Some soils are not porous enough to allow the water to pass through them freely, and in consequence the air, which is necessary for the healthful development of the roots, is excluded. Lime is an effective remedy for this condition, and whenever it exists in a carnation house the antidote cannot be applied too quickly.

About the only place where lime would prove injurious would be on a very light soil which contains only a small amount of plant food, as in such a case it would hasten the decomposition of what little fertilizer the soil contained and leave it practically barren. It is from the application of lime to such soils that the adage, "liming makes rich fathers and poor sons," originated. I do not suppose that there is one carnation bed or bench in this whole country filled with soil so deficient in organic matter that it would come under this class.

Some growers claim that a liberal dusting of lime over the foliage of a rusty plant will check the growth of rust. I cannot say that I have ever seen a case where such a remedy really did check the rust, but I have seen numerous cases where rusty plants were in soil which needed lime and the heavy dusting proved so beneficial that they practically outgrew the rust.

The best form of lime to use for carnations is the ordinary air slacked lime produced from quick lime, obtained by burning oyster shells or limestone. For greenhouse use have it well slacked and it will then be in a powdery condition, easily applied and ready for immediate action. Next of value is unleached wood ashes, which can be obtained almost anywhere and which contain about thirty-five pounds of lime to every hundred pounds of ashes. They also contain from five to seven per cent of potash, one to two per cent of phosphoric acid and from three to five per cent of magnesia, and on this account should not be applied more than twice as thick as you would apply the pure lime, although they contain but one-third the quantity of lime. Wood ashes should never be allowed to lie on top of the soil, but should be well stirred in and watered at once, whatever may be the practice with the first mentioned form.

Do a little experimenting with lime and see if your flowers do not come a little brighter in color, with a much stiffer stem and some addition to their size.

ALBERT M. HERR.

LENOX, MASS.—J. O'Brien has brought suit for $5,000 damages against Lena D. Babcock, lessee of the Livingston place, alleging that she falsely charged him with the larceny of palms to the injury of his business standing.

NEW HAVEN, CONN.—J. N. Champion has taken legal measures to collect a bill from a Yale student who ordered flowers sent to a chorus girl. The defense is that the young man is not of age and flowers for a chorus girl are luxuries for which his father cannot be compelled to pay.



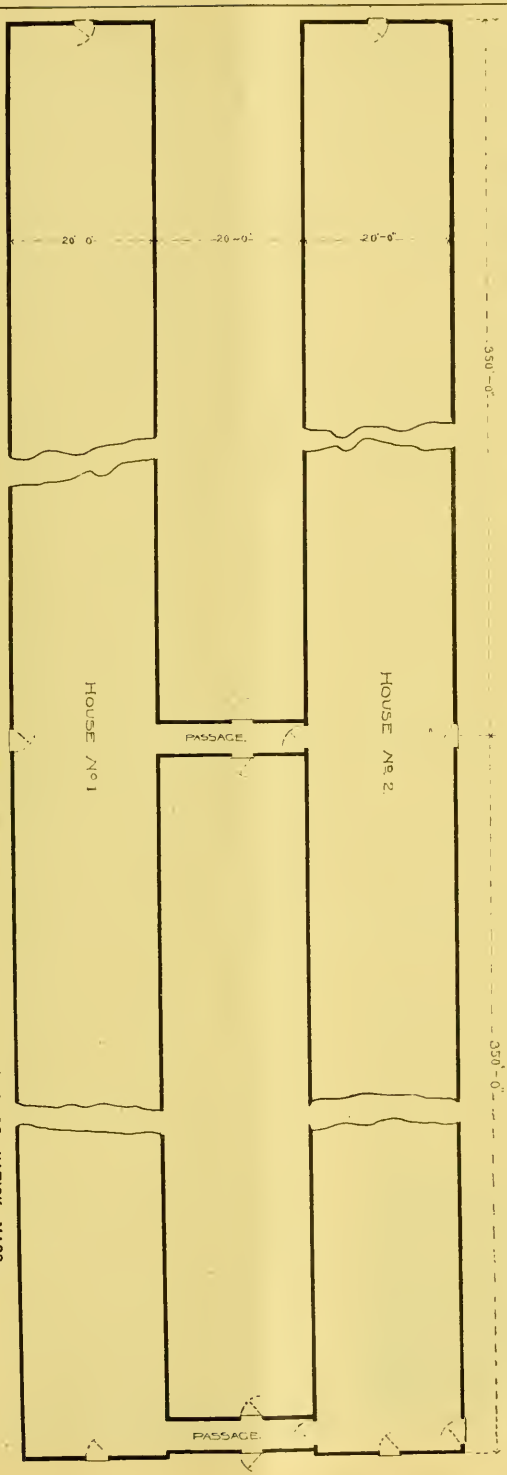
SOME SAMPLES OF CHRISTMAS ADVERTISING IN PHILADELPHIA.

Review of the work of the Chrysanthemum Society of America for 1899.

NAME.	Where Shown.	Date.	Exhibited by	Color.	Type	POINTS SCORED. Scale.	Color.	Form.	Fullness.	Stem, Foliage	Substance.	Size.	Distinct.	Stem.	Foliage.	Total	REMARKS.
Primo	Boston	Oct. 14	Grove P. Rawson, Elmira, N. Y.	White	Jap.	C	33	22	12	8	7	15				87	
Zaza	"	Nov. 14	" "	"	Dbl. Jap.	C	24	15	12	8	8	9				69	
					Anc.	E	14	10	6			3	20	10	6	68	
Monrovia	Cinci'ti	Oct. 21	N. Smith & Son, Adrian, Mich.	Yellow	Jap. Ref.	C	22	18	14	9	10	12				85	
"	Chic'go	"	" "	"	Jap.	C	22	20	13	7	8	13				83	
Orizaba	Phila.	Nov. 11	" "	Pink	Jap. Inc.	C	20	23	14	9	8	12				86	
						E	12	14	9			12	19	9	9	84	
"	Cinci'ti	"	" "	"	" "	C	18	16	13	8	8	11				74	
"	Chic'go	"	" "	"	" "	C	19	23	13	8	8	13				82	
Nesota	Phila.	"	" "	Yellow	Ref.	C	22	20	10	9	7	14				83	
						E	14	12	7			14	23	9	9	88	
"	Cinci'ti	"	" "	"	"	C	14	12	7	10	6	12				61	
No. 72	Phila.	"	" "	Light bronzy yellow	Jap. Inc.	C	20	21	13	9	8	12				83	
						E	12	12	8			12	21	9	9	83	
"	Cinci'ti	"	" "	Bronze	" "	C	14	11	10	9	7	11				62	
Pluma	N. Y.	Nov. 25	" "	Light Pink	" "	C	18	24	15	8	8	10				80	Hairy.
"	Boston	"	" "	Delicate Pink	" "	E						15	20	10	6	86	Hairy.
"	Phila.	"	" "	Light Pink	Inc.	C	20	23	14	8	9	12				86	Mrs. A. Hardy type.
						E	11	13	9			12	23	9	8	85	
"	Chic'go	"	" "	Pink	"	E	11	13	10			12	21	8	8	83	Hirsute.
Goldmine (exhibited as Stelleta)	N. Y.	"	" "	Rich Yellow	Jap.	C	24	23	14	9	10	15				95	
						E	15	13	9			14	25	10	10	95	
"	Phila.	"	" "	Yellow	Jap. Ref.	C	22	22	12	8	8	15				88	
						E	12	12	8			15	23	9	9	88	
"	Chic'go	"	" "	"	Jap.	C	24	23	14	8	10	13				92	
White Bonnaffon	N. Y.	"	" "	White	Inc.	C	20	24	15	10	10	10				89	Not a sport from Bonnaffon.
" "	Phila.	"	" "	"	Jap. Inc.	C	22	23	13	9	9	13				89	
" "	Chic'go	"	" "	"	Inc.	C	22	22	13	8	8	12				85	
Intensity	Boston	"	" "	Crimson	Jap.	C	25	25	15	7	10	12				94	
						E	15	12	10			15	23	10	5	90	
"	Phila.	"	" "	"	Jap. Ref.	C	22	22	14	7	8	13				87	
						E	13	12	8			13	22	6	8	82	
"	Chic'go	"	" "	"	" "	E	12	13	10			12	21	7	7	82	
Lavender Queen	Boston	"	" "	Deep lavender pink	" "	C	25	23	15	8	6	15				92	
						E	15	14	10			15	22	10	9	95	
" "	Phila.	"	" "	Pink	" "	C	19	21	13	9	8	13				83	
						E	11	12	8			13	20	9	9	82	
White Bonnaffon	Boston	Dec. 2	" "	Cream White	Jap. Inc.	C	20	25	15	9	10	8				87	
Goldmine	"	"	" "	Golden yellow	Jap.	C	23	23	15	9	10	15				97	
						E	15	14	10			15	25	10	8	97	
Superba	N. Y.	Dec. 9	" "	Silvery pink	Jap. Inc.	C	22	22	15	8	9	13				90	
"	Phila.	"	" "	Pink	" "	C	22	23	14	9	9	13				90	
"	Chic'go	"	" "	"	Jap.	C	22	23	15	7	10	12				89	
"	Boston	Dec. 16	" "	Silvery Pink	Jap. Inc.	C	20	22	15	9	10	12				88	
"	Cinci'ti	"	" "	"	" "	C	22	22	15	9	10	13				91	
Walter Molatsch	N. Y.	Oct. 21	H. A. Molatsch, Brooklyn, N. Y.	Rich clear yellow	" "	C	23	20	13	9	10	14				89	
" "	Boston	"	" "	Yellow	" "	C	23	23	15	10	7	15				93	
" "	Phila.	"	" "	Inc.	"	C	23	22	13	8	8	13				87	
						E	13	13	8			13	23	8	8	86	
Georgina McDonald	"	"	Wm. Paul Binder, Rider, Md.	White	Ref.	C	22	21	12	7	8	12				82	
						E	13	13	8			12	22	7	8	83	
Marguerite	"	Oct. 28	" "	Lemon white	Jap.	C	21	22	14	7	8	13				85	
						E	13	13	9			13	20	7	7	82	
Mrs. Geo. C. Jenkins	"	"	" "	Pale pink	Jap. Inc.	C	22	18	15	8	9	14				86	
						E	13	12	10			14	22	8	8	87	
Admiral Schley	"	Nov. 4	" "	Light pink	" "	C	20	23	14	8	9	12				86	
						E	11	14	9			13	23	8	8	86	
No. 38	"	Oct. 28	John N. May, Summit, N. J.	Pink	" "	C	20	22	13	9	8	12				84	
						E	12	13	8			12	20	9	9	83	
No. 125	"	"	" "	Pale pink	Jap. Ref.	C	17	19	13	8	6	13				76	
						E	10	11	8			12	19	8	8	76	
Winona	"	"	" "	Light pink	" "	C	21	23	14	9	8	14				89	
						E	13	14	9			14	22	9	9	90	
E No. 10	"	Nov. 4	" "	White	Jap. Inc.	C	22	22	12	8	8	11				83	
Bonita	N. Y.	"	" "	Bronze and old gold	" "	C	20	23	13	8	8	10				82	
"	Phila.	"	" "	Bronze	" "	C	23	23	11	9	9	13				88	
						E	13	14	7			12	22	9	9	86	
E No. 5	"	Nov. 11	" "	White	" "	C	22	22	14	6	8	12				84	
						E	13	13	9			12	20	6	8	81	
Eulalie	N. Y.	Nov. 18	" "	White tinted pink	Jap. Anc.	E	12	12	10			13	20	10	8	85	
"	Phila.	"	" "	White lemon center	Anc.	C	20	23	15	8	8	13				87	
						E	13	14	10			13	23	8	8	89	
Col. D. Appleton	Boston	Nov. 4	John Marshall, Purchase, N. Y.	Yellow	Jap. Inc.	C	22	23	15	9	7	15				91	
						E	13	14	10			15	23	10	8	93	
" "	Chic'go	"	" "	"	" "	C	24	24	15	8	9	15				95	
" "	Phila.	Nov. 18	" "	"	" "	C	23	23	14	9	8	15				91	
						E	13	13	9			15	23	9	9	91	
Souci	N. Y.	Nov. 4	Jas. Carstair, New Rochelle, N.Y.	"	" "	C	24	22	13	9	9	13				90	Bright Color.
Mrs. Marl'neDalskov	"	Nov. 11	M. Hansen, New Durham, N. J.	White	" "	C	20	13	10	8	8	7				66	Sport from Ermenilda
Chestnut Hill	Phila.	Nov. 18	Robt. G. Corey, Gard. to Thos. C. Price, Esq., Chestnut Hill, Pa.	Yellow	" "	C	23	22	13	10	9	13				90	
						E	13	14	8			12	22	9	10	88	
Margaret Enright	Cinci'ti	Nov. 25	Mrs. J. G. Robinson, Santa Clara, Cal.	White, shaded lemon	Jap.	C	20	23	14	9	10	13				89	Grown by E. G. Hill & Co. Richmond, Ind.
Mrs Edw. Salyer	Phila.	"	Edw. Sayler, Wilkes Barre, Pa., care Ira G. Marvin, Florist	White	Jap. Inc.	C	22	23	14	9	8	13				89	
						E	13	12	9			13	24	9	9	87	
Florence E. Denzer	"	Dec. 19	A. C. Zvolanek, W. Hoboken, N.J.	Light pink	Jap. Ref.	C	23	20	13	8	8	11				83	
" "	Boston	Dec. 20	" "	Lilac pink	Jap.	C	23	20	15	8	10	10				86	Waxy white reflex.

ED. AM. FLORIST:—Herewith find resume of the work of the committees of the Chrysanthemum Society of America. It would have been best to have published this last week, and this would have been done but for the late exhibits of Mr. Zvolanek, the reports on which did not reach me until the latter part of the week.

ELMER D. SMITH, Secretary.



PLAN OF ROSE HOUSES 700 FEET LONG TO BE ERECTED BY LORD & BURNHAM CO., FOR E. M. WOOD & CO. NATICK, MASS.

WITH THE GROWERS.

PETER REINBERG, CHICAGO, ILL.

The largest grower about Chicago says that this is really his first year with carnations. To be sure, he has grown them by thousands in previous seasons, but he has thrown the plants out early to make room for new rose stock and has always considered the "pink" a side issue. The manifest rise of the carnation in popular favor induced him to go into this specialty in good earnest this year and now he has more plants under glass than any one grower in the west if not in the United States. And the whole cultural method has been changed.

"There is no use denying," said Mr. Reinberg in a recent conversation, "that the people prefer high grade stock, even at high prices, to the inferior grades at little or nothing. I have produced both kinds and I know where the profit lies. One can always sell stock that is strictly good. That's why I am giving my carnations the very best attention that I know how to give." And the plants show their appreciation of the careful handling they are receiving. There is not a weak spot in the house after house of plants and the thousands upon thousands of buds promise a tremendously heavy cut as soon as there are a few consecutive days of sunshine.

The spirit of progression has seized Mr. Reinberg and is leading him to seek the best in everything. His latest move has been to install an engine and dynamo in his main boiler room, stringing incandescent lights throughout the great range, with an occasional arc light above the glass. This, of course, entailed a considerable expense, but this sum Mr. Reinberg states that he expects to save during the first year by lengthening the working day of his employes in the dark days of winter, when labor virtually ceases some time before 5:30, the regular hour for closing.

The electric lights are only another step in the policy which led Mr. Reinberg to last spring invest many hundreds of dollars in stock of the newest carnations, which caused him to try Golden Gate and make it the most profitable rose on the place, producing with Perle and selling at nearly twice the price; which has caused him to order 3000 plants of Mrs. Lawson, 2800 of The Marquis and 5000 of Liberty for earliest delivery.

There are probably more varieties of carnations in the Reinberg houses than in any other in the west, and the fact that all the new sorts are growing there makes it the Mecca for scores of those who wish to compare the various varieties before making their selection of sorts for next year. This great interest has induced Mr. Reinberg to go into the cutting and plant business on a scale vastly greater than before. What he is prepared to do is shown by an incident which occurred a few days since during a conference between the grower and his selling manager, Mr. Spencer, who predicted a great demand for cuttings of a certain sort and wanted to know how large a supply he could depend upon. "Go ahead; sell all you can," said Mr. Reinberg. "But how many can you root?" insisted Mr. Spencer. "Oh, eight or ten thousand a day," replied the proprietor. "For two or three days?" interrogated the manager. "Yes, for two or three months," smiled Mr. Reinberg, and Mr. Spencer subsided.

Triumph is the favorite carnation of both Mr. Reinberg and Mr. Spencer, as

the records show that it is the greatest money maker on the place, but Mr. Reinberg hastens to add that Mrs. Bradt and G. H. Crane are not far behind. Mrs. Bradt has a reputation for unproductiveness, but Mr. Reinberg affirms that this is a libel upon one of the finest flowers ever grown. He says that plant for plant it may not produce with some of the most floriferous sorts, but that it may be planted close enough to bring the producing capacity of a bench up to the record of any other sort. He says that he believes the variety to be improving from year to year in vigor and strength of stem, and says that the selling price of the blooms is the top of the market, second to none unless it be G. H. Crane, which has averaged better than 7 cents for the past two weeks. Crane has been leading America up to date, but Mr. Reinberg states that the latter sort is now showing rapid improvement and that he rather expects it to forge ahead.

Leslie Paul and Gov. Griggs are other new sorts which please Mr. Reinberg and his many guests, and Frances Joost is a variety which is rapidly fattening his bank account. Melba was not at first in favor, but the reason was found by a reduction of heat, and this sort is now coming after a fashion which gives the grower much pleasure. He states that he will use Evelina for an out-door white next season, believing that it will produce three to one of any other sort.

Mr. Reinberg had trouble in his Beauty houses early in the season, and the dark weather of November and December did not hasten the growth of the plants in the range of twelve big houses put up last summer, but one could not find a finer lot of plants than are now setting buds, and the prospects are that another month will bring on a Beauty crop the like of which has never been known on the place, at least that's what the foreman, George Collins, says, and appearances bear him out. The Brides and Bridesmaids are in good crop now and for Christmas this establishment was well fixed for Meteor.

Over at George Reinberg's preparations are being made for a big business in carnation cuttings. White Cloud is a joy there and the stock of it is very large.

MOUNDSVILLE, W. VA.—Chester Wright has again opened his store for the season.

Development in the South.

John Woll embarked in the florist business at Savannah, Ga., in 1895 with the investment of his entire capital, $36, in a hot bed. Since then he has prospered greatly. In 1896 he admitted Frank E. Keilbach to partnership and the two soon had a range of 5,000 feet of glass. On March 20, 1899, Mr. Wolf bought his partner's interest and now is the sole owner of the fine establishment shown in the accompanying illustration. He has a paying business and has already made a bargain for the purchase of the land on which his houses stand when his lease expires next near. The range now covers 13,000 square feet.



ESTABLISHMENT OF JOHN WOLF, SAVANNAH, GA.

New York.

CHRISTMAS A DISAPPOINTMENT TO CUT FLOWER GROWERS.—ONLY THE SELECT GRADES FOUND READY SALE. — POOR STOCK OF ALL KINDS SUFFERED ON THE UNCERTAIN MARKET.—SPECIALTIES DID WELL.—PLANTS A FEATURE EVERYWHERE.—RETAILERS REPORT GENERAL SATISFACTION.—SOME OF THE NOVELTIES.—MANY VERY FINE WINDOW DECORATIONS.—EVERYBODY MADE MONEY.—NOTES.

The result of the Christmas business is equivalent to a notice served on the cut flower people that the plants, as a factor in the situation, have come to stay and summed up, as seen from the standpoint of the flower grower and flower wholesaler, was simply a disappointment to all excepting those making a specialty of high grade stock and desirable novelties. The dividing up of the immediate holiday business into two days caused uncertainty as to the final demand, with a consequent fluctuation of prices. The condition of the greater part of the roses and carnations received on Saturday was poor, the same unmistakable evidences of senility as seen earlier in the week being present, Bridesmaids lacking color and carnations ready to go to sleep. In fact this is true of the majority of roses, even including those shipped on Sunday afternoon. The market was weak from the start and roses hung fire at low prices excepting for Bridesmaids of extra and fancy grades of good color and size.

Notwithstanding Saturday's disappointing experience all looked forward hopefully to Sunday, but when at 6 a. m. on that day rain began to come down, continuing all day, no one out and stock coming in heavily, the set-back was very severe for those whose business it was to find a good outlet for the vast accumulation. Buyers were very exacting and would touch nothing but the best stock. There being only a limited supply that could come under this head it went briskly at high figures. American Beauty more than held its own as compared with last year, the supply of specials being less. The longest stemmed buds found the readiest sale, $1.50 each being the top notch. Meteors, along with special Bridesmaids, touched 25 cents and Liberty, of which Thorley got Asmus' entire cut, brought big figures, the entire sale of this rose being about $1,000. In carnations there was no trouble to dispose of red varieties and superior stock of fancy kinds and such specialties as Olympia brought high prices. Orchids also sold in the liveliest manner.

The balance of the story, and that covers the greater part of the receipts, is one of extreme glut and a surplus difficult to move at any figure. This included all white flowers such as narcissi, Roman hyacinths, Bride roses and heaps upon heaps of white carnations, together with violets and mignonette, a large proportion of which was left over as unsalable and had to take its chances in the everyday trade of the balance of the week. Many violets had to be unloaded as low as $4 a thousand and carnations of ordinary grades were well sold at $1 per hundred. Violets had been lingering all through the week and the slump in their case was not unexpected, but it was much worse than any one had looked for. As to quality there were all kinds but the general run was good. The lower grade roses had to be sold very cheap but they did sell for something, which was not the case with much of the other stuff.

At the retail stores general satisfaction with the Christmas trade is expressed. The cut flower trade gave them no solicitude and all interest in it was deferred until Saturday afternoon, when the usual rush was experienced and a brisk business, estimated at twenty-five per cent over that of last year, was done. Holly wreaths and material of that class, with the enormous plant trade, fully occupied their time for the entire week previous and they all made money. The demand for Parisian baskets of growing plants showed an increase of fully thirty per cent in the establishments where they have been a feature in past years and they were seen in many localities for the first time this season. The windows of the leading Broadway and Fifth avenue stores were exceedingly beautiful as a rule and electric lighting was freely used to add to the brilliant effects obtained by the display of bright flowering and foliaged plants.

Thorley displayed ardisias and araucarias in white wicker pots, each decorated with a bow of scarlet ribbon; ericas, including melanthera and Wilmoreana in baskets and hampers, and fruiting oranges in baskets with orange satin trimmings. Here, as in other leading establishments, the soil in the flower pots was invariably hidden by green moss. The effect of Fleischman's window decoration was exquisite. It was framed with a garland of asparagus with pendant clusters of coral berries. Birch bark pots with scarlet sashes held specimen ericas, and Dailledouze Bros.' big No. 666 carnation occupied a central place. Only one thing marred the picture—a little pot of the common "lobster cactus" (Epiphyl-

lum truncatum), labeled "Century plant, blooms once in 100 years." One of Small's big windows was ablaze with poinsettias arranged in a sloping tier, and the other was massed with Gloire de Lorraine begonia, Erica melanthera and oranges, with big wreaths of evergreen and scarlet bows, suspended above. Theo. Lang's Sixth avenue store was a perfect bower of green and scarlet Christmas bells. The sidewalk was like a dense Maine forest. Mr. Lang superintended the Christmas tree department, while Mrs. Lang presided over the indoor fineries.

All the Fifth avenue establishments were deeply engrossed in the plant trade, some of them finding an extra store necessary to accommodate the stock, as at Easter. In fact, the general effect was similar to Easter, the lilies alone being noticeably absent. Some establishments were so filled with plant arrangements as to leave only a narrow passageway open down the center for customers. George Stumpp had in one window an elaborate arrangement of Japanese curios, with a fantastic cave in the center, its depth illuminated by a wierd red light. Combination baskets were, as in the past, a leading feature here, the azaleas being among the best ever seen at this date. Primula obconica in low baskets and adorned with lavender ribbon, made a very delicate and pretty effect. Here another novelty was also seen—prunus branches in full bloom. Hodgson's big new store windows were resplendent with azaleas, primulas and ponisettias and some large baskets of Erica Wilmoreana arranged with Adiantum Farleyense were exceeding rich.

An electric fountain danced in the center of one of Alex. McConnell's windows, and the handsome combination baskets, which Mr. McConnell claims were first made popular here, were arranged in high tiers on all sides. Many of these were filled with bright dracænas as center plants and heaths of the melanthera, regerminans, and Wilmoreana sorts were also used largely. Two ladies were constantly employed giving the finishing touches with bright ribbons, etc. Mr. McConnell reported the biggest advance order trade in his history, and he had just completed the work of decorating the Gould establishment at Lakewood for the great Christmas fete. Another, and one of the handsomest window displays in the city, was that of Wadley & Smythe. A mass of Gloire de Lorraine, ericas and oranges filled the front, and this was flanked and backed by a little forest of poinsettias and dracænas, while overhead an enormous clump of mistletoe was suspended with scarlet ribbon. The Gallatin, a new place next door, had its show window filled with azaleas, over-dressed and smothered in colored tissue paper.

Siebrecht & Sons' place was very elaborately decorated, magnificent pyramids of bay, holly and box giving dignity to the exterior, and a brilliant massing of poinsettias, azaleas and heaths filled the interior. Choice orchids here and there added a rich effect to the display, and overhead hung heavy festoons of laurel and mistletoe. The busy crowd of assistants gave a good impression of the big holiday business being done. At the Rosary, Begonia Gloire de Lorraine looked very attractive in hampers with cover half opened, and Mr. Troy reported a large call for them in this form. Cattleyas and cinerarias were among the special things seen here, and some pyramidal box trees looked quite cheery with branches of red ilex berries introduced among their foliage. These ilex branches were generally used with effect in plant baskets where color was otherwise lacking.

Dards' Madison avenue store was almost impassable with plant baskets in great variety of combinations. Mr. Dards stated that he found his customers rather afraid of Glorie de Lorraine on account of previous experiences with all begonias, and asserted if it could only be shown that this lovely thing could be kept in perfect form for one week in a store window he could foresee an immense popularity for it. One of Mr. Dards' windows was exceedingly pretty and spring like in a delicate framing of yellow and white daisies, Paper White narcissi, hyacinths and lilies. Further up the avenue the McDonald Company and Hanft Bros. made a big display. Mr. Hanft stated that the business, both regular and special, had been unprecedentedly large, and the activity shown in and around this busy place proved his statement to be true. A novelty here was some well-flowered genistas.

The weather remains still exceedingly pleasant for the season. One Brooklyn firm reports having done a job of sodding last week, and the ground is scarcely crusted anywhere yet.

Alex. McConnell shipped on the St. Paul recently a box of thirty-six American Beauties which are said to have arrived in England in good condition, and were presented to the Queen.

A. Schultheis reports the most extensive plant trade ever experienced by him. All heaths and other flowering plants were sold out clean two weeks before Christmas.

The violet cords and tassels did not take this time among the swell florists of New York or their customers.

Foley has given up his up-town store.

Philadelphia.

ANOTHER CHRISTMAS HISTORY.—SATISFACTORY TRADE ALL AROUND.—RETAILERS REPORT BIG BUSINESS.—ADEQUATE SUPPLY EXCEPT OF BEAUTIES.—PALMS AND AZALEAS IN FAVOR.—GREENS WENT WELL.—HABERMEHL HAD A GOOD ORDER.—DOINGS AT BALA.—HUEBNER RECEIVES MUCH PRAISE.—RAILROAD GARDENING.—GOOD TALK FOR THE TRADE.—A NEW YEAR'S GREETING.

The great holiday has come and gone and leaves the flower trade here fairly well satisfied with results. In some cases the trade was, perhaps, not as large as was anticipated and prepared for but on the whole it has been satisfactory. The only item which could be said to be on the scarce list was American Beauty, the crops of several of the principal growers, notably Heacock and Burton, being off. Anderson had a fair supply and C. J. Price was in good form, while quantities of medium stock came from many smaller growers and helped to keep figures from soaring to any great altitude. Mr. Heacock says it's a hard condition, not only for the pocket-book but because regular customers are suspicious that they are not getting a fair proportion of the cut. They think that maybe Baltimore or Washington are getting some and are apt to glare at you in a warlike way very disconcerting to a timid person. Robert Craig says, "Joe, why don't you invite them out to your place and show them how little you've got?" But Joe says, "No, that wouldn't work because each one would want the whole lot to himself." There's one consolation, it's no trouble to get rid of the stock and that's a problem indeed when there's too many around. Besides, look at the big cuts and good prices all through the early part of the season.

Good violets were hard to get at the last moment, although quite plentiful all the early part of the week. Carnations were in ample supply, especially whites, and on Saturday and Monday there was a glut of stock that had rather a salty look. Extra fine flowers sold readily of course and brought good prices, 12½ cents being the maximum.

In plants palms and azaleas had the call, the latter being very good for the season, and were picked up quickly. Many more could have been sold if they had been forthcoming and in good flower. Lorraine begonia was, of course, the star novelty at most places and, although there were some left over, they sold well considering the rather high price. Mr. Cartledge is enthusiastic over this plant and thinks it one of the grandest things of recent introduction. He is inclined to favor Mr. Lonsdale's pale pink form because it holds its flowers better than the other when put into their greenhouse. The blossoms are larger also, and open out more. Cyclamens did not go so well but solanums and ericas were in good demand—the latter when fixed up with a bit of tartan ribbon hit the popular fancy to a dot and more of them could have been sold than were around. John Westcott's solanums were an exceptionally well fruited lot and at $5 a dozen gave the retailer a chance to offer an elegantly berried plant at $1.50 and big value for the money.

Holly, mistletoe and other greens sold fairly well, although there was a good deal of poor stock around. Christmas trees were a drag. One consignment of twelve car-loads were left untouched on the Huntingdon street siding and there were lots at every street corner late on Saturday evening begging for a buyer at half and quarter regular prices.

One of the notable events of the past week was the Irving reception by the Clover Club at the Bellevue. The decorations were by Hebermehl and were on a magnificent scale. Artistically they were all that could be desired and did credit to Mr. Habermehl's high reputation in this line. There were innumerable other receptions and parties of private, semi-private or public character and all the principal stores had their share of this class of trade during the week.

Joseph Kift & Son put in the busiest Christmas in their experience and the radiance around that neighborhood was so rubicund that one was not at all surprised to hear snatches of a glee song early on Christmas morning as the sun peeped over the horizon. "Hail, smiling morn, whose rosy fingers tip the hills with gold. Hail, Hail," and other refulgent outbursts of a similar character.

Pennock Bros. also report a splendid trade, their cash drawings being fifty per cent ahead of last year, which was up to that time the best in their history. Graham, Battles, Craig, Crawford, and Fox also report very satisfactory trade and are entirely happy, and I fancy most of the other stores are well pleased, so that on the whole, Christmas, 1899, will go down in history as one of the best the trade has yet experienced.

Jno. Haulbert, at Bala, has just commenced the erection of a three story stone dwelling for himself on Bryn Mawr avenue and has made extensive alterations on his greenhouse property to make room for this improvement. The next thing

we will be likely to hear from this growing suburb will be a similar improvement on David Bearn's estate there. If the little blind god only knew what a fertile field there is here there would be some building going on in short order, sure.

Paul Huebner has received and is still receiving a gratifying amount of attention from the press on account of the paper on railroad planting which he read at the last meeting of the Florists' Club. To-day the *Record* quotes extensively and approvingly from it and adds the following interesting bit:

An interesting anecdote, illustrating the change of heart experienced by railroad officials in the past concerning this subject, is related of J. Lowrie Bell, now general traffic manager of the Jersey Central. Mr. Bell was for years general freight agent of the Reading, and in that capacity had occasion to visit Palmyra, a station on the Lebanon Valley branch. The agent in charge of the station at that time was Mr. Metzler, the present assistant transportation master, who, being a great lover of flowers, had devoted his spare time to planting flower beds about the station. When Mr. Bell saw these he apparently did not take kindly to them, and he suggested to Mr. Metzler that a station agent of the company had better devote his spare time to hustling for business rather than planting flower beds. Mr. Metzler acted upon the suggestion and planted no more flower beds at Palmyra. Ten years elapsed, and Agent Metzler had in the meantime been transferred to the station at Germantown. Here, Mr. Bell, in a visit one day, much to the agent's surprise, suggested that he secure some flowers and plant them about the station. Mr. Metzler called his attention to what he had said to him years before, and asked him if he had forgotten it. With characteristic candor, Mr. Bell replied: "No, I have not forgotten it, but you were just ten years ahead of us, and we are just catching up." What is being done on the Reading in the way of station landscape gardening is done even more extensively on the Pennsylvania lines, and there are comparatively few of the more important lines that do not give more or less attention to it. The Michigan Central has gained an enviable reputation for the beautifully-kept gardens at all its stations. At Ypsilanti the display in summertime is equal to that made by many ambitious parks, and every woman passenger on the through trains is presented with a little nosegay from a heaping basket kept for that purpose.

All of which is not only interesting but is the kind of talk every one in the trade should make it his business to foster and encourage. The Florists' Club here did a good thing in getting the Reading's gardener to talk before them, it added to his and the company's prestige and incidentally encouraged them and others to go on with the good work. It was good advertising for the Railway Company and just as good for horticulture. Now then, what's the matter with other florists' clubs going and doing likewise? Verbum sat sapienti, gentlemen, twiggez vouz? Get to work.

By the time this greets the eyes of my esteemed readers in Philadelphia, New Year's day, 1900, will have dawned and a general holiday in all lines will be in force. To the average florist New Year's day has more time for recreation than Christmas and I know of no better place to spend a few pleasant hours among congenial friends than at the Florists' Club. Chairman Jno. Westcott will be, as usual, master of ceremonies for the day and with his force of willing satellites will do the utmost possible to make things agreeable for everybody. Every one is welcome to come and sample the Commodore's punch and enjoy themselves, greeting friends, taking a hand on the alleys or in some other pastime to make the hours pass swiftly and agreeably. It will do you good. Don't make the mistake of supposing that the golden sands of time are naught but gravel or that the angels we meet are only angels after they are gone. Put on your seeing spectacles, not the wooden ones most of us usually wear, but the X ray kind that will infallibly find the good points which, take my word for it, predominate in most humans if we only had the wit to find them—the good points, I mean.

Wishing each, and all, happiness and prosperity for 1900, and that they may live till they knock out their brains, as Paddy said, with the silver knocker of their own door, I remain, yours in all sincerity, G. C. WATSON.

Boston.

AN UNPRECEDENTED CHRISTMAS TRADE.—PLEASANT WEATHER AND MANY BUYERS.—LOCAL TRADE REMARKABLY HEAVY.—SHIPPING BUSINESS NOT AS GREAT AS USUAL—NO RUSH OF ADVANCE ORDERS.—WHOLESALERS BEAR THE BURDEN.—FIGHT AGAINST HIGH PRICES.—WHITE STOCK SUFFERS.—PLANTS IN FAVOR.—AFTER CHRISTMAS STOCK SHORT.—MANDA EXHIBITS CYPRIPEDIUMS.—NOTES.

Nobody on the ground disputes the fact that Boston's Christmas trade beat the record. Beginning with greens, following with plants and ending with cut flowers the business was unprecedented in its steadiness and volume. For this the remarkable weather was largely responsible. With the exception of a few rainy hours on Sunday afternoon, it was as pleasant as September out of doors. Everybody went shopping and the florists got their full share out of the multitudes that thronged the city streets and made them almost impassable for a whole week. What it would have been had the financial flurry not occurred when it did no one can say, but the shrinkage in holdings in Boston alone is estimated at nearly two hundred million dollars and this must have affected the flower buying more or less.

The retail stores all employed extra help and found all they could attend to right along up to Monday afternoon. The holly trade was limited only by the capacity to make it up in bunches and wreaths and all other green material, mistletoe alone excepted, enjoyed an equal demand. Plants were in better quality and fuller supply than heretofore at this season and the liberal way the various stores stocked up on Gloire de Lorraine, azaleas, primroses, etc, showed their confidence in this feature, which events proved to be not misplaced. On cut flowers they seemed so easy in their mind that with the exception of certain special stocks that are always in short supply, they refrained from giving orders ahead, being content to leave the responsibility of carrying the stock with the wholesalers who, in the absence of advance orders, were at a disadvantage all through and unable to foresee the outcome with any certainty. This careful policy left the retailers pretty well cleaned out when closing time came on Christmas day, with empty ice chests and depleted windows and if a belated customer showed up the necessary material to satisfy him was easily located by telephone.

The wholesalers once more learned that the market is no longer inclined to respond to the demands of the growers for advanced prices on flowers at the holidays. A few specialties such as prime Beauties and scarlet carnations finished up in good order but on most other goods rates were maintained with great difficulty and on white stock such as Roman hyacinths, white carnations and roses, lily of the valley, etc., as well as violets, the light demand and enormous output made a serious congestion, and although quotations on such material in quantity went down to the lowest notch large quantities remained unsold. The country trade, so large a factor generally in Boston's holiday business, did not develop the eagerness of previous years and the dealers at the cut flower market, as well as the commission men, felt it. Doubtless the weather, again, was responsible, for these out-of-town buyers have, with few exceptions, more or less greenhouse area of their own and this year the home production was everywhere at high water mark. Under such conditions a raise of twenty-five cents on violets or half a dollar on carnations is stubbornly contested and means the loss of sale for thousands of these flowers. There were a good many carnations of inferior quality in this market and returns on such are very low. While quite a percentage of stored stock was in evidence yet the proportion was not excessive nor to be compared with former practices in this direction which, considering the way everything turned out, is very fortunate for all concerned. The abundance of flowers in all localities made it rather an up-hill job for those who bought early at stiff figures to realize more than the first cost of material. Colder weather immediately following the holiday so curtailed the cut from the plants already depleted of their last available bud that there is still a fair chance to work off the surplus of white stock left over, where it is not too aged, but not at holiday figures.

W. A. Manda exhibited at Horticultural Hall on Saturday Cypripedium insigne var. Mrs. Geo. B. Wilson. This is the finest of the yellow flowering forms and this is its first appearance here. It was awarded a silver medal.

E. M. Wood has been obliged to forego his contemplated southern trip on account of the serious illness of his son.

E. G. Sterne & Co. are reported to be in financial difficulties.

Visitors in town: D. MacRorie, South Orange, N. J; J. A. Penman, New York.

Chicago.

NEW RECORD ESTABLISHED BY THE HOLIDAY TRADE.—ENOUGH STOCK EXCEPT BEAUTIES AND METEORS.—BULBOUS FLOWERS SUFFER.—PRICES GENERALLY HIGH.—CITY BUYERS PAY BIG MONEY—SCARCITY FOR NEW YEAR'S.—PLANTS A FEATURE WITH SEVERAL RETAILERS—SOME GOOD WINDOWS.—WIETOR BROS PLAN TO BUILD.—JOTTINGS HERE AND THERE.

If any one failed to do business last week it was because he didn't try. There was business for every one, retailers, wholesalers, plantsmen and all. It was certainly the greatest Christmas Chicago has ever known. It was a bigger Christmas than a year ago despite the scarcity of stock. Pretty nearly everyone reports an increase over previous years, the only notable exception being Bassett & Washburn, whose principal stock is Beauties, and, as everyone knows, Beauties were in only half the usual Christmas supply. Mr. Washburn states that they turned away ten times as many Beauty orders as they filled. With the exception of Beauties and Meteors there was enough stock to meet all requirements, despite the forebodings engendered by the dark days of the two weeks previous. In fact there was a slight surplus of Brides, the call being for red. Of carnations there was a shortage of colors and white sold out clean. Violets were just equal to the demand and the only items of serious oversupply were lily of the valley, Roman hyacinths and Paper White narcissi. Of

these the Romans were the only ones which suffered seriously. On the whole it may be accepted that the week's trade, if not the month's business, established an entirely new record for the cut flower business of this section, and one which it will be hard to eclipse. Shipping orders were large and numerous, and the city buyers were in anxious search of good stock. Out of town dealers need make no complaint at the prices of high grade blooms for 20 cents was readily paid in town for fine Meteors and one or two extra select lots brought 25 cents. Strictly fancy carnations were taken by the leading retailers at from 8 cents to 10 cents without a protest. In justice to the growers it must be said that most of the stock was of good quality and fresh.

Trade was quiet from Christmas day up to Friday, but everything had been cut so closely the week before that there was little stock in the market and prices held right up to the Christmas list. For several successive days it has not been an easy matter to fill orders and the local people found it a difficult task to get the stock they required. In addition to Beauties and Meteors, violets and calla lilies were put on the list of scarcities. Present indications point to a good supply with a few days of warm, sunny weather, but it will be a month before Beauties become plentiful.

The Christmas window at H. F. Halle's, on West Madison street, was among the most elaborate ever seen here. The plants used were ericas, poinsettias, cyclamens, primulas, well grown begonias, several varieties of azaleas and a few araucarias. All of the plants were either set in fancy jardinieres, baskets or trimmed with crepe paper, and the report is that all sold well.

Wienhoeber's display of Christmas plants was very extensive, his store and show house being filled to their utmost capacity. The stock included baby primrose in 6-inch pots, some very well grown cyclamens and primulas in from 4 to 8-inch pots as well as a number of fine plants of Deutsche Perle azalea and several other varieties. Mr Wienhoeber also had a collection of fancy baskets containing cyclamens and other blooming plants and ferns and, in common with other dealers who had provided stock of this character, found that they sold rapidly at profitable prices.

Wietor Bros. believe that the time is ripe for a considerable increase in their establishment at Rogers Park and are now in the market for material. They have placed orders for a portion of their glass and expect to require upwards of 3000 boxes. This is proving a very prosperous year for them and the consummation of their present plans will result in an addition of 150,000 feet to their producing capacity.

Lange had a show of choice blooms in his window last week which attracted much attention. He makes a special effort to have the best flowers the market affords for his window display and thousands of people stop to admire them. Other down-town retailers made good use of poinsettias, immortelles and other colored stock to obtain bright showings.

W. S. Kenney, head of the James H. Rice Co., is treasurer of the National Window Glass Jobbers' Association, which was recently chartered in New Jersey with a capital stock of $500,000, and is also president for the western division of the organization

The George Wittbold Company found the holiday trade the best on record and point to the unprecedented call for Christmas trees as a sure indication of the city's prosperity. They say that trees were not to be obtained last Monday.

W. W. Barnard & Co.'s cash drawer was rifled of about $100 on the night of December 23. It is thought the thief was concealed in the store at closing time.

Saginaw, Mich.

That the tide of prosperity has come this way and business is all that could be desired is admitted even by the most conservative element. It would be no exaggeration to assert that never in the history of this prosperous Saginaw valley were things in better condition than they are at the present time.

Improvements are noticeable on all sides. Wm. Roethke & Son have, during the past summer, enlarged their already extensive plant by three additional houses, each covering 20x170. As usual, no expense has been spared to make the houses all that might be called models of their kind. As I strolled along from house to house inspecting the carnations and roses it seemed to my mind that many a grower whose stock "don't seem to do so well," might profit by a trip to Saginaw and a call on these growers. Mr. Roethke does not claim to be a specialist, though his general stock is decidedly of the special order.

Grohmann Bros. have kept pace with the times in a manner commensurate with the progressive spirit of the up-to-date florist. Besides enlarging their plant, located on the outskirts of the city, by two good-sized carnation houses, they have also remodeled, enlarged and refurnished their Fitzhugh street store with its adjacent conservatory, introducing several attractive features, such as incandescent lights, tiled counters, etc. Grohmann Bros. grow a general stock of cut flowers and plants for their retail trade, their stock usually being of a fine grade.

One seldom calls on Chas. Frueh & Son without finding something about their fine establishment to interest him. Those elegant oil paintings on the walls of their flower store are decidedly attractive and, in my opinion, are fine enough to adorn the parlor of any pretentious house. The roses and carnations here, though invariably good, are doing especially fine this season. The chrysanthemums were the finest in years and sold at sight, while palms and decorative plants are as fine as one sees in a month's travel. And right here I wish to extend congratulations in behalf of his many friends in the trade as well as my humble self to Chas. Frueh, Jr., upon the happy event of his recent marriage to Miss May Regnadt. May their shadows never grow less!

Mr. J. B. Goetz is improving and enlarging his place. During the past summer he built two additional houses, one for violets, 10x50, and the other one for carnations, 18x100. Mr. Goetz does things in the right way. With a well-equipped modern plant and a thorough knowledge of floriculture, born of years of experience, there is but little wonder that things about his establishment look spick and span and his general stock is all that could be desired. Mr. Goetz is experimenting upon two scarlet seedlings, one of which, in the opinion of all who have seen it, being decidedly meritorious, possessing all the good points required of a first-class carnation. Its color is especially attractive, being a brilliant scarlet, unlike anything seen in a scarlet of recent introduction. It is Mr. Goetz' intention to exhibit it at the coming carnation show in February.

Mrs. Geo. Waldbauer reports a good trade all along the line. HOMO.

Grand Rapids, Mich.

As anticipated the Christmas trade was a record breaker. The weather was magnificent, bringing out thousands of blooms that otherwise would not have opened. Prices were the best, particularly on carnations, which sold at from 50 cents to $1 per dozen, the 75 cents rate being the most popular. The trade in holly wreaths was "out of sight" and the town was cleaned up of every little vestige of the red berried shrub. Plants were in wonderful demand and sold out close, unless it was palm stock, which is not as much sought after as formerly. Flowers of all kinds, especially colored stock, were not up to the demand, and nothing was wasted. Shipping was excellent. Everyone hopes that this era of prosperity has come to stay. The volume of business is variously estimated at from ten to twenty-five per cent in excess of last year. G. F. CRABB.

NORTHAMPTON, MASS.—A. Parks has put in a new refrigerator, which is a beauty.

ROCKLAND, ME.—Harry A. Mather was married on November 29 to Miss Augusta A. Sherman.

BALTIMORE, MD.—Patterson Park conservatory has been closed as unsafe. It is hoped that the structure may be rebuilt in the spring.

DANVILLE, ILL.—Prosperity has brought John Willis a bright baby boy to add to his working force and in time succeed his father, who was recently appointed florist at the Soldiers' Home.

UTICA, N. Y.—Peter Crowe has been cutting some fine maidenhair ferns. Wm. Mathews a large crop of orchids and fancy carnations and Geo. Benedict some extra Bridesmaids from year-old plants.

MONMOUTH CO., N. J., HORTICULTURAL SOCIETY.—At a well attended meeting of the Monmouth County Horticultural Society on December 15, 1899, a communication from Prof Byron D. Halsted was read and it was decided that his lecture shall be on chrysanthemum rust and mildew on roses, to be given in January. The treasurer, W. Kennedy, read his annual report, which shows that the bank account of the society is increasing annually. James Roe was elected to active membership.

NEWPORT, R. I.—The annual meeting of the Newport Horticultural Society was held December 13 and was largely attended. Reports of the various officers indicated that the society is in a gratifying condition in all respects. Officers were elected as follows: President, Robert Laurie; vice-presidents, Joseph Gibson and Alexander Ogg; recording secretary, Robert Johnston; financial secretary, Bruce Butterton; treasurer, Richard Gardner; sergeant-at-arms, William F. Smith, and an executive committee of twelve members. The outcome of this election seems to indicate that a young and progressive element will be at the helm during the coming year and without doubt the society will be heard from.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate, $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts, 6 times 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen, Nurserymen, and dealers in wares pertaining to those lines ONLY.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday.

Address THE AMERICAN FLORIST CO., Chicago.

We wish all our patrons a prosperous New Year.

Glass is not now as low as it was a year ago.

The *Garden* (English) mentions a pale yellow sport from Chrysanthemum Western King which has been named General Symons.

Cyclamen Papilio as exhibited at English shows has been commented upon very unfavorably, the general effect of the groups being said to be ragged and poor.

A so-called white form of Begonia Gloire de Lorraine is advertised by an English nurseryman under the name of Caledonia. It is said, however, that the flowers are not pure white, but rather cream-colored.

We send the American Florist every week to the address of any person in the trade of the United States, Canada and Mexico for only $1 per year; to all other countries in the postal union $2 per year. Please send your subscription now.

While we still import about $1,000,000 worth of window glass annually the amount reaching our shores from abroad has been reduced over 300,000 boxes annually during the past four years and only twelve per cent of the consumption is now covered by importations.

It is proposed to hold a sweet pea exhibition and conference in London, England, during July, 1900, in celebration of the bi centenary of its introduction into Great Britain. The secretary and treasurer is Richard Dean, 42 Ranelagh road, Ealing, London, W., England, who requests the support of all interested.

Xl all insecticide, according to a late English paper, is a combination of nicotine and camphor dissolved in dilute alcohol, this being the testimony of a chemist given in a suit against a dealer for selling it contrary to the laws governing the sale of poisons. The actual analysis was: Nicotine 37.3 per cent, camphor 34 5 per cent, alcohol 15 1 per cent, the balance being water.

In England a number of analyses of soil have been made from various places noted for the superior qualty of the roses there produced In chemical and mechanical composition the different lots varied widely and the conclusion was reached that the great excellence of the roses produced was not due to any special ingredients in the soil but was more likely to be due to favorable climatic conditions.

To Prevent Fro ting of Windows.

The following recipe for preventing the frosting of shop windows may be given in good time, so as to be at hand when needed: Paint them with a solution of glycerine in sixty-three per cent spirits of wine. Glycerine, like chloride of lime, has the property of absorbing water, and this action serves to entirely overcome the difficulty.—*Commoner and Glassworker.*

Greenhouse Building.

Natick, Mass.—E. M. Wood & Co., two 700-foot rose houses.

Nashua, N. H.—Geo. F. Caldwell, house 75x100.

Chicago, Ill.—Wietor Bros. large range of rose houses.

Owatonna, Minn.—J. E. Cady, one greenhouse.

Germantown, Pa.—A. Woltemate, range of commercial houses.

Swampscott, Mass.—Elbridge Blaney, one commercial house.

E. Norwalk, Conn.—F. S. Ainsworth, one greenhouse.

Mr. Donald's Chrysanthemums.

Ed. Am. Florist:—In reply to the query of "Alpha" in your issue of the 23d inst. as to whether the chrysanthemum plants recently illustrated in your columns were grown in jadoo or ordinary compost I have to state that they were all grown in ordinary compost. I take this opportunity to add that since these illustrations appeared I have had several requests from your subscribers for information about the culture of chrysanthemum plants, and wish to state that I can give no better advice than that which has already been given in previous issues of the American Florist by Mr. T. D. Hatfield. Wm. Donald.

The C. S. A. Cup Contest.

The silver cup offered by the Chrysanthemum Society of America for the seedling scoring the highest average before three or more committees, is awarded to Nathan Smith & Son, Adrian, Mich., for their new variety, Goldmine, which scored as follows:

At New York.....	Com. scale	95	Exhib. scale	95	
At Philadelphia..	" "	88	" "	88	
At Chicago.....	" "	92	" "	..	
At Boston.....	" "	97	" "	97	
		372		280	

Average commercial scale, 93; average exhibition scale, 93.33. The two scales give a grand average of 93 16.

The variety Colonel D. Appleton was a close second in this contest, with a total average of 92.16.

Elmer D. Smith, Secretary.

About Fungicides.

Ed. Am. Florist:—Can Bordeaux mixture be used in a dry state on carnations and chrysanthemums? If so, how is it prepared? What are the best fungicides mostly used by florists for chrysanthemums, carnations and violets, and where can they be purchased? A Beginner.

There is no satisfactory dry Bordeaux mixture. Preparations of this name have been prepared, but their value has not been shown. One of the best fungicides for use under glass is ordinary flowers of sulphur applied as a dust directly to the foliage. Fungicides containing copper have a tendency to more or less injure the plants under glass, hence we do not generally recommend them. A very good fungicide can be made by mixing three ounces of copper carbonate with eight ounces of slacked lime. This should be applied in the form of a powder. Such fungicides are not in the market and therefore will have to be prepared by the user himself. B. T. Galloway.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Benjamin Dorrance registers new rose Sara Nesbitt, a sport from Madame Cusin, a size larger than the parent. Color, light pink, very delicate, shading deeper in center; does not grow dark in summer weather; a better grower than Madame Cusin, habit otherwise identical. Wm. J. Stewart, Sec'y.

Chrysanthemum Society Committees.

Boston, December 16.—Nathan Smith & Son, Adrian, Mich., exhibited Superba, a silvery pink Japanese incurved, which scored commercial scale 88 points.

Cincinnati, December 16.—Superba before this committee scored commercial scale 91 points.

Philadelphia, December 19.—Anton Zvolanek, West Hoboken, N. J., exhibited Miss Florence E. Denzer, a light pink Japanese reflexed, which scored commercial scale 83 points.

Boston, December 20.—Miss Florence E. Denzer before this committee scored commercial scale 86 points.

Elmer D. Smith, Sec'y.

Cape Flowers and Immortelles.

All the immortelles of commerce are produced in southern France. The plants are grown in the open field, propagation being effected by division of the roots, and it takes three years to develop a good bearing plant. It follows that if destructive freezing weather is experienced the crop is short for two years in succession, a contingency which has happened more than once within the memory of American dealers. The yellow flowers are picked when fully expanded, about July, bundled up and hung in lofts to dry, and are graded first, second or third according to quality. The next process is to bunch, case and ship at the best possible price. The growers sell to the jobbers who are themselves partly growers, and who distribute the goods to dealers all over the world. Dealers like to dilate on the enormous business they do in this line and individuals have been known to sell about three times the entire crop of immortelles in one year! All dyed immortelles are first bleached white and the most imperfect white ones are mostly used for dyeing purposes, the second and third grade of yellow finding their principal outlet in this way.

Cape flowers grow wild in South Africa. They are collected when half expanded and in the best quality are given special treatment in drying and sun-bleaching by careful packers. A large percentage of the crop, however, is picked and packed at random and, as most florists have learned to their sorrow, is very much mixed. The collectors send to the country merchants who trade the goods off to Cape Town commission men or consign them. The crop is mostly engaged by the European merchants, from whom the supply for America is generally bought. The market price of Cape flowers is governed by the laws of supply and demand. They are apt to rule high this year, not necessarily because of the South African war but on account of a reported shortage in the crop. As to quality, we shall know nothing until we see the goods.

OBITUARY.

LORD PENZANCE.

Lord Penzance, originator of the Penzance sweetbriars, died at his Eashing Park residence, Surrey, England, on the 9th inst., aged 84 years.

G. C. STEDMAN.

George C. Stedman, who conducted a prosperous business at Middletown, Conn., died December 17, after two weeks' illness with pneumonia. He was 47 years of age.

ALFRED OUTRAM.

Alfred Outram died at his residence in London, England, December 8, at the age of 52. Mr. Outram was well known to the trade of the United States and Canada, having transacted business in both countries frequently in the interests of the English firms, B. S. Williams & Son and Sutton & Sons.

A. R. STARR.

The recent demise of A. R. Starr is reported from Joliet, Ill., where he was for many years in business at 110 Macomber street. He was a native of Ithaca, N. Y., but established himself at Joliet in 1871. He had suffered from paralysis for some time. Mrs. Starr and three daughters survive.

JOHN GIBSON.

John Gibson, one of the pioneer gardeners of Newport, R. I., and father of Gibson Bros, the florists, died December 19. He was an octogenarian, having been born November 28, 1819, at Armagh, Ireland. He served a nine year's apprenticeship at the Palace Gardens at Armagh, beginning with 1835, and for three years was head gardener to Lord John Beresford. It was in 1847 that he came to New York, where he worked with Andrew Reid, afterwards becoming superintendent for Alfred Bridgeman, at Astoria, and then going to Highcliffe for a four year's engagement. In 1859 he took charge of Charles H. Russell's place, Oaklawn, at Newport, remaining in the employ of the family until the estate was sold to James Stillman, in 1891, with whom he continued until his death. Mr. Gibson was married in 1848 and his wife, their three sons and three daughters survive him. Mr. and Mrs. Gibson celebrated their golden wedding less than a year and a half ago, receiving their many friends with characteristic hospitality. The obsequies on Friday, December 22, were largely attended, the concourse including most of the florists and gardeners of Newport, who gathered to pay a last tribute to one who was always their friend.

B. K. BLISS.

Benjamin K. Bliss passed away in Boston, Mass., on Christmas morning. Mr. Bliss was born in Onondaga, N. Y., October 4, 1819. He was engaged in the drug business in Springfield, when his love for flowers led him to make the selling of flower seeds in a small way an adjunct to his trade. This developed so rapidly that he finally gave up the drug business and in the year 1845 established himself as a dealer in seeds, flowers and plants. He was one of the first to perceive the possibilities in the catalogue mail trade and the series of catalognes issued by him, beginning with the year 1853 were convincing evidences of his foresight and progressiveness. Early in the sixties he began to make use of fine illustrations in his lists and a beautiful colored plate adorned his autumn bulb catalogue issued in 1867. In this year the firm name was changed to B. K. Bliss & Sons, Messrs. Samuel B. and Elijah W. being taken into partnership, and an auxiliary store was opened in New York city. In 1869 the entire establishment was removed to 41 Park Row and 151 Nassau street, New York, in 1871 to 23 Park place and 20 Murray street and two or three years later to 34 Barclay street, where business was continued until the crash of 1885, which was the close of the business career of the firm. Among the valuable novelties in flowers and vegetables which Mr. Bliss claimed the honor of having introduced were Bliss' American Wonder, Everbearing and Abundance peas, Early Rose and Triumph potatoes, auratum, Krameriand Hansoni lilies, Aquilegia chrysantha and Ipomœa leptophylla. In his bulb catalogue of 1869 appeared a fine colored plate of Lilium auratum, bulbs of which had been up to that time selling at from $2 to $5 each. Mr. Bliss was a pioneer in all that is enterprizing in the seed trade as carried on to-day. He had a rare faculty in advertising and made liberal use of the mediums afforded for interesting the public in his goods. He was a remarkably good judge of merit in a novelty and was always ready to pay a good price for anything that was worthy. His whole heart and soul was in his business and his amiable disposition and pleasant manner made him universally liked by his business associates. His invitation in his catalogue for strangers in the city to call whether purchasers or not was not made thoughtlessly, as those who had the privilege of calling on him learned, for he was never too busy to stop and extend a kindly greeting. After the closing up of his business he spent about one year with W. W. Rawson, in Boston, and then retired to a quiet home in East Bridgewater, frequently visiting the library and exhibition rooms of the Massachusetts Horticultural Society. On August 22, last, while at Onset he received a stroke of paralysis and since that time has been confined to his room in Boston with his mental faculties perfectly clear, but physically almost helpless. He leaves a widow—his second wife, to whom he was married fifteen years ago—one daughter and one son, Samuel, the other two sons having died some years ago.

ST. JOSEPH, MICH.—The greenhouses of August Loeffler were destroyed by fire on Christmas eve, entailing a loss of $5,000 with no insurance.

ROCHESTER, N. H.—A portion of the conservatory owned by Stephen A. Tuttle was destroyed by fire on the morning of December 17. The loss, including plants and structure, is estimated at $1200.

POUGHKEEPSIE, N. Y.—In regard to violets M. J. Lynch states that black fly ruined the early crop in a good many houses, and that it is safe to say that half the growers have not, up to New Year's, picked 100 flowers where they picked 1000 last season. The continuous warm weather since October seems to have aided and abetted the black fly in causing trouble. Spot is not so bad as last season and seems to be decreasing year by year. Flowers are a better color than usual, but are short-stemmed and in little demand.

Catalogues and Cut Flower Price Lists Received.

U. Cutler Ryerson, Newark, N. J., florists' supplies; W. B. Gray, Morgan City, La., roses; Osman & Co., London, E., England, horticultural sundries; Jacques Hasslach, Nimes, France, seeds; Oscar Knopfi & Co., Erfurt, Germany, seeds; Kennicott Bros. Co., Chicago, Ill., Christmas decorations and cut flowers; C. C. Pollworth Co., Milwaukee, Wis., cut flowers; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers; Holton & Hunkel Co., Milwaukee, Wis., cut flowers; E. C. Amling, Chicago, Ill., cut flowers; Wm F. Kasting & Co., Buffalo, N. Y., cut flowers; A. G. Prince & Co., Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., cut flowers.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By young man with 2½ years' experience in rose, carnations and bedding stock. Address E L, care American Florist.

SITUATION WANTED—By all-around grower, to take charge; state wages you can pay. References. Address GROWER, care American Florist

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

WANTED—Experienced young lady for a florist store. Address A B, care American Florist

WANTED—Boy to learn the greenhouse business and the growing of cut flowers. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—A man competent to handle a bedding trade, as well as understanding the growing of plants. Address H, care American Florist.

WANTED—A copy of issue No 4, October 1, 1885, volume I of the AMERICAN FLORIST, in good condition. Address S S, care American Florist

WANTED—A good all-around florist, one who understands his business and is willing to work—or will sell half interest. L. E. CARTER, Shreveport, La.

WANTED—Young single man accustomed to green house work, as night fireman. Must be sober and clean. $30 per month with board and room. Steady place and raise to good man. J. M SMELY, Aurora, Ill.

WANTED—A first-class florist, single, for a commercial place of about 5500 ft. of glass. Must be sober, industrious and not afraid of work. State experience and wages expected etc., with board and room CHRIS HANSEN, St. Paul, Mich.

WANTED—A good gardener, well advanced in cultivation of palms, ferns, bulbous and general bedding and greenhouse stock. Must be thoroughly sober, reliable and industrious. Address, stating wages expected. M J, care American Florist

FOR SALE—Commercial place of R. D. BAKER, Canon City, Colo.

FOR SALE—Greenhouses about 50 000 square feet of glass well stocked and finely located for retail trade in the largest city in the west. Will sell one-half or whole interest. Doing large business. Good reasons for selling. Address C D, care American Florist.

FOR SALE—An Edison mimeograph for copying. Paper any size from 9x12 down can be used. As many copies as desired can be taken from the original copy. A splendid machine for making out price lists, etc. Sold for no fault. Can be returned if not found in first-class condition. Price, $70 JOHN H. DUKE, Troy, N. Y.

FORCED SALE.

OF GREENHOUSE PROPERTY.

In "Spring Valley," 30 miles from New York, five minutes from R. R. Depot. The owner is unable to work the place on account of sickness and wishes to go to Florida, is willing to sell for half value. Two and one-half acres of high land, dwelling house new; four greenhouses 12x100, one 18x200 in good condition and stocked with violets and carnations. Heated with Hitchings' boilers. Price $3,500, $1,000 can remain on mortgage at 5 per cent. Apply at once to

L. USSING, 53 W. 28th St., NEW YORK.

Little Falls, N. Y.

John O. Graham, formerly of Graham Bros., of Binghamton, moved to this city some two years ago, embarking in business on the corner of Garden and Second streets, almost in the center of the city. With a thorough experience in the florist business he had but little difficulty in building up a trade that surpassed even his own expectations. Thus encouraged, he kept on improving his place from time to time and during the past fall a modern rose house was added to his range. Roses, carnations and violets are his specialties. A good, all-around grower, Mr. Graham is also a skillful decorator and designer, a combination of faculties that go a good way toward paving one's way to success.

HOMO.

PITTSFIELD, MASS.—John White says that most of the holly received this year was very poor, but that by drenching his upon receipt and leaving it exposed to the mild weather he got his consignments into good shape.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

Wholesale Flower Markets

CINCINNATI, Dec 28

Roses, Beauty, select	75 00
" " medium	25.00
" Bride	6 00@ 8.00
" Bridesmaid	8 00@10 00
" Meteor	8 00@10.00
" Perle	4.00@ 6 00
Carnations	3.00@ 4 00
" fancy	5 00@ 6.00
Lily of the Valley	4 00
Violets	1.00@ 1.50
Narcissus	3 00@ 4 00
Romao Hyacinths	3 00
Callas, Harriett	10 00@12 50
Poinsettias	25 00
Daffodils	4 00
Smilax	12.50
Adiantum	1.00
Common ferns	.15
Galax Leaves	.15

ST. LOUIS, Dec 28.

Roses, Beauty	15 00@25.00
" fancy	50.00@75 00
" Bride, Bridesmaid	10.00@15 00
" Meteor	10 00@15 00
" Perle Wootton	8.00@12 00
Carnations	3 00@ 5 00
Lily of the valley	4 00@ 5 00
Violets	1 50@ 2 00
Narcissus	2 00@ 3.00
Romans	2.00@ 3 00
Stevias	.50@ .75
Smilax	15.00@18 00
Adiantum	1.00
Asparagus	50.00@75.00

MILWAUKEE, Dec 28

Roses, Beauty, long per doz.	8.00@12.00
" " medium " "	5.00@ 6.00
" " short " "	2 00@ 3 00
" Bride, Bridesmaid	10.00@15.00
" Perle	8 00@10 00
" Meteor	12.00@15.00
" Kaiserin	10.00@12 00
Carnations	4.00@ 6.00
Stevias	1.50@ 2.00
Roman Hyacinths	3 00@ 4 00
Narcissus Paper White	3.00@ 3.50
Poinsettias per doz	$5.00
Adiantum	1 00@ 1 50
Common ferns	25
Smilax	15 00@18.00
Asparagus	75.00

PITTSBURG, Dec 28.

Roses, Beauty	10 00@125 00
" Bride, Bridesmaid	6.00@20.00
" Meteor	6.00@20.00
" Kaiserin	6 00@20.00
" Perle	4.00@ 8.00
" Cusio	4 00@10.00
Carnations	1 50@ 5.00
Lily of the valley	3 00@ 4 00
Violets, double	1 00@ 2 00
" California	.50@ 1.00
Narcissus Paper White	2.00@ 3 00
Roman Hyacinths	2 00@ 3.00
Harriett	20 00@25.00
Smilax	12 00@15.00
Wild smilax per case	3 50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax Leaves	.15

Orchids and Valley For The Holidays.

The following prices apply to all orders except where contract is in force.

CATTLEYA LABIATA, VERY LARGE	per doz.,	$12.00
" PERCIVALIANA, medium	"	9.00
DENDROBIUM FORMOSUM, large white	"	7.00
CYPRIPEDIUM INSIGNE	"	3.00

LILY of the VALLEY, 6 to 8 in., 9 to 11 bells, with foliage, per 100, $3.50

Owing to the limited amount of surplus over contract orders, the management of the "Rosebank" Nurseries advise the placing of early orders for this stock.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

TERMS: Strictly cash or C. O. D. from unknown parties.

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

HOLTON & HUNKEL CO.

Wholesale Florists,

457 Milwaukee St., - MILWAUKEE, WIS.

JOHN B. FERGUSON,

Wholesale Florist,

444 SIXTH AVENUE, PITTSBURG, PA., Dec. 11th, 1899.

ANNOUNCEMENT.

I take pleasure in announcing to you that I have this day purchased the Wholesale Cut Flower and Commission Business of G. L. Huscroft & Co., No. 444 Sixth Ave., Pittsburg, Pa., and shall continue the business at the same address. I trust I shall receive from your hands the same fair treatment and patronage which you extended to the old firm, and take this measure of soliciting your patronage.

Respectfully,
JOHN B. FERGUSON.

REFERENCES—City Deposit Bank, Pittsburg; Lawrence Dilworth, of Dilworth Bros.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

	Per Dozen.
AM. BEAUTIES, Ex. long	$12.00
" 24-inch	8.00
" 20 "	6.00
" 15 "	4.00
" short	2.00
	Per 100
BRIDES, MAIDS	12.00 to 15.00
METEORS, KAISERINS	12.00 to 15.00
PERLES	8.00 to 12.00
CARNATIONS, good stock	3.00 to 5.00
" fancy, including BRADT, CRANE, ARGYLE, JOOST, FLORA HILL, VALLEY	6.00 to 8.00
	4.00 to 5.00
VIOLETS, double	2.00 to 2.50
" single	1.50 to 1.75
CYPRIPEDIUMS	15.00
CATTLEYAS, very scarce	$8.00 per doz.

	Per 100.
ROMANS	$2.00 to $3.00
NARCISSUS	3.00
STEVIA	2.00
ADIANTUM	.75 to 1.00
ASPARAGUS	50.00
SMILAX	12.50 to 20.00
GALAX LEAVES, $1.25 per M.	.15
FANCY FERNS...$2.00 per M.	.20
IVY LEAVES	.50
LEUCOTHOE SPRAYS	.75
RED WINTER BERRIES, per case, $3.00.	
WILD SMILAX. No. 1 contains 15 lbs.	$2 50
No. 2 " 20 lbs.	3.50
No. 4 " 35 lbs.	4 50
No. 5 " 40 lbs.	5 50
No. 6 " 50 lbs.	6.50

Agent for Caldwell's Wild Smilax.

P. AND D. AT COST. ☞ Prices subject to change without notice.

McKELLAR & WINTERSON,

Wholesale Florists.

CONSIGNMENTS SOLICITED.

45-47-49 Wabash Avenue, : : : CHICAGO.

Plenty of Stock for New Year's Trade.

Headquarters for Poinsettias.

Our Specialties: ORCHIDS, HIGH GRADE ROSES, CARNATIONS and VIOLETS. FULL LINE OF ALL Florists' Supplies

HOLLY and GREEN. We can meet the quotations of any reputable Western House.

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO, Dec. 29.

Roses, Beauty,	extra long stems		12.00
" "	30 inch	"	10 00
" "	24 "	"	8 00
" "	20 "	"	6.00
" "	15 "	"	5.00
" "	12 "	"	3 50
" "	8 "	"	2 00
" Bride, Bridesmaid			10.00@15 00
" Perle			8 00@12.00
" Meteor			12.00@8 00
" Kaiserin			8.00@15 00
" La France			15.00
" Golden Gate			20 00
Carnations			4 00@5.00
" fancy			6 00@8 00
Violets, double			1 00@2 00
" single			1 00@1 50
Lily of the Valley			3.00@4 00
Cattleyas		per doz.	6 00
Dendrobiums		"	3.00
Mignonette			1.00@2.00
Roman Hyacinths			1.00@2 00
Narcissus			3 00@4 00
Freesias			4 00
Adiantum			.50@1.00
Common ferns			.15
Fancy Ferns			.20
Smilax			10 00@20.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST CHICAGO

Please mention the American Florist when writing.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue, Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST 'PHONE 2157.

Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT — Roses Violets

PITTSBURGH, PA.

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORISTS' SUPPLIES

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

GEO. A. KUHL,

Grower of Cut Flowers

ROOTED ROSE CUTTINGS.

Pekin, Illinois.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Wholesale Flower Markets

PHILADELPHIA, Dec. 27.

Roses, Tea	8.00@12.00
" " extra	15.00
" Beauty, extra	25.00@30.00
" " firsts	15.00@19.00
" " seconds	10.00@25.00
Carnations	2.00@ 3.00
" fancy	3.00@ 4.00
Lily of the valley, Romans	3.00@ 5.00
Violets	1.00@ 2.00
Mignonette	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00

BOSTON, Dec. 27.

Roses, Beauty, extra	50.00@75.00
" " medium	25.00@35.00
" " culls	10.00@15.00
" Bride, Bridesmaid, Meteor	6.00@12.00
" " special	20.00@25.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.00@ 4.00
Lily of the valley	2.00@ 3.00
Violets, single and double	1.00@ 1.50
Paper White Narcissus	1.50@ 2.00
Roman Hyacinths	.75@ 1.00
Mignonette	4.00@ 6.00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-91 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

: Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

Wm. J. Moore,

WHOLESALE FLORIST,

36 South 16th St., PHILADELPHIA, PA.

Consignments of First-Class stock solicited.

I should like to hear from a few good carnation growers. Long Distance Phone.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME CROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1903 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
.... 30 West 29th Street.
New Telephone No 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower. Ashtabula, Ohio.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Dec. 27.

Roses, Beauty select	50.00@100.00
" " medium	20.00@35.00
" " culls	10.00@15.00
" Bridesmaid, Bride, Meteor	6.00@15.00
Carnations	1.00@ 2.00
" fancy	2.50@ 6.00
Lily of the valley	1.50@ 2.00
Violets	.75@ 1.50
Paper White Narcissus	1.00@ 1.50
Romans Hyacinths	50@ 1.00
Mignonette	6.00@ 8.00
Callas, Harrisii lilies	10.00@12.00
Cattleyas	40.00@50.00
Smilax	8.00@12.00
Asparagus	35.00@50.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	.50@ .75

BUFFALO, Dec. 28.

Roses, Beauty	10.00@100.00
" Bride, Bridesmaid, Meteor	8.00@15.00
" Perle, Niphetos	5.00@ 8.00
" Kaiserin	5.00@10.00
Carnations, ordinary	2.00@ 4.00
" fancies	4.00@ 6.00
Lily of the valley	4.00@ 5.00
Violets	1.50@ 2.00
Narcissus Paper white	3.00
Roman Hyacinths	2.00@ 3.00
Harrisii	20.00
Callas	8.00@20.00
Stevias	15.00
Chrysanthemums	1.00@ 1.25
Smilax	12.50@20.00
Adiantum	.75@ 1.25
Hardy Ferns, Galax Leaves	15
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Galax Leaves.
GREEN and BRONZE.
New crop. Finest stock only, for the HOLIDAY SEASON.
THE INTRODUCER
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST.
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET.
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT McCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED CHICAGO: Charles P. Braslan, of San Francisco, en route to Philadelphia.

CONTRACT prices on peas and beans for the crop of 1900 are now interesting the larger houses in the trade.

THE supply of clover seed at Toledo, Ohio, is considerably smaller than it was at this time in the two previous years.

WITH the passing away of B. K. Bliss, particulars of which appear elsewhere in this issue, a most notable man in the seed trade and a pioneer in the catalogue business is no more. Though out of active business for a score of years, his mind was bright and undimmed and his interest in all horticultural matters keen to the last. Peace to his ashes.

Cincinnati.

CHRISTMAS FAIRLY SATISFACTORY.—THE UNFAVORABLE WEATHER HURTS TRADE.—STOCK ENOUGH EXCEPT OF RED.—GOOD WINDOWS.—NOTES.

Christmas is now a thing of the past and the boys are all well pleased, having done a good business in their various lines. Some of the storemen report a small increase over last year, while others claim it to be about the same. The market was not up to expectations owing to unfavorable weather. We had a cold and disagreeable rain all day Saturday and cut flowers were retailed at about wholesale prices. Louis Pfeifer's Sons had a magnificent lot of roses in market, which they held back, and whether they learned a lesson or not is hard to say, but they could have realized twenty-five per cent more had they disposed of them wholesale. The Cincinnati Cut Flower Co. had more and far better carnations than ever before; they had enough stock to fill orders with the exception of red roses. Violets were mostly all shipped in from Virginia. Messrs. Peterson, Sunderbruch, Critchell, McFadden and the Hoffmeister Floral Co. had grand displays in their show windows. Notable among blooming plants were cyclamens, azaleas and poinsettias. Harrisii were in limited supply with little demand.

One of Mr. Prochauzky's boilers sprung a leak during the cold snap and Christmas was therefore not as pleasant to him as it might have been. H. SCHWARZ.

WEST HAVEN, CONN.—A. I. Thompson was painfully injured by a fall, caused by attempting to step over a seat in leaving a theatre last Wednesday afternoon.

MALDEN, MASS.—Benj. Grey has closed his store. Peter Ball has a house of particularly fine adiantum. J. W. Foote is cutting some extra good Daybreak carnations.

POUGHKEEPSIE, N. Y.—In the absence of President Newbold, Wm. G. Saltford occupied the chair at the December meeting of the Dutchess County Horticultural Society. H. J. Osterholdt, Paul Seidlin and J. C. Barrett were elected to membership. Secretary W. G. Gommersall announced his intention of offering a resolution at the next meeting changing the hour of the session from afternoon to evening in hopes of securing a larger attendance.

FLOWER SEEDS FOR FLORISTS.

Grown at our Floracroft Grounds, especially for Florists and the Seed Trade.

ASTER, SEMPLE'S BRANCHING, Mixed, @ 50c. per oz., $6.00 per lb.; Shell Pink, White and Red, 75c. per oz., $8.00 per lb.; Truffaut's Improved Pæony Flowered, Mixed, 75c. per oz., $8.00 per lb.

AGERATUM, Blue Perfection (new), per oz., 75c. AMPELOPSIS VEITCHII, per oz., 10c.; per lb., 75c.

BALSAM, (Alba Perfecta), Double White (extra), per oz., $1.00.

SALVIA SPLENDENS (Floracroft strain), per oz., $1.00; per lb., $12.00.

" CLARA BEDMAN, " " " 2.00; " 25.00.

MUSHROOM SPAWN, new shipment, per 100 lbs., $6.50; per 1000 lbs, $60.00.

LILY OF THE VALLEY PIPS, Berlin sand grown, 3 years old, $10.00 per 1000; per case (2500), $23.00.

Send for Wholesale List.

JOHNSON & STOKES,

217 & 219 MARKET STREET, PHILADELPHIA, PA.

BULBS. LOW SPECIAL OFFER.

	Per 100
SINGLE HYACINTHS, named varieties	$4 80
" " " " colors	3 75
TULIPS, SINGLE EARLY, mixed	.60
" " LATE, "	.70
" DOUBLE EARLY, "	.70
" " LATE, "	.65
" PARROT, mixed	.75
CROCUS, mixed	2 35
NARCISSUS POLYANTHUS, yellow, mixed	1.00
" VON SION	1.30
ANEMONES, single, mixed	.75
" double, "	1.10
OXALIS BOWIEI	1.00
" VERSICOLOR	.75
SCILLA SIBERICA	.75
CHINESE LILIES	4 00
FREESIA REFRACTA ALBA, large	.75
LILIUM HARRISII, 5 to 7	3.25
" " 7 to 9	8 00

Order at once Terms cash. **H. L. HOLMES, Harrisburg, Pa.**

Please mention the American Florist when writing

TULIP BULBS

IN PRIME CONDITION.

Single or double mixed, from named sorts.

Per 1000, - $3.50
Per 10,000, - $30.00

This is a genuine barga'n. ORDER QUICK.

VAUGHAN'S SEED STORE,

84-86 Randolph Street, CHICAGO.

ONION SEED.

CHOICE CALIFORNIA GROWN.

Strictly 1899 Crop.

500 lbs. Yellow Strasburg.....70c per lb
1,200 lbs. Red Wethersfield.....70c per lb
700 lbs. Prize Taker.....$1.00 per lb
1,300 lbs. Yellow Globe Danvers.....75c per lb
250 lbs. Silver King.....$1.25 per lb
900 lbs. Yellow Flat Danvers.....70c per lb
750 lbs. Southport Yellow Globe.....75c per lb
300 lbs. Southport Red Globe.....$1.30 per lb

Terms, 120 days, or 5 per cent discount for cash.

PERRY WATSON & CO,

Seed Growers, SACRAMENTO, CALIFORNIA.

Send for our NEW LIST of Plants for EASTER forcing. Florists FRESH Flower Seeds, etc. READY NOW. Tuberous Begonias, single, 5 separate colors, 1 to 1½ inch, doz. 40c; 100 $2.50; 1½ to 2 inch, doz. 50c; 100 $3. Dbl. separate colors, EXTRA LARGE, doz. 80c; 100, $5; 1 to 1½ inch, doz. 75c; 100, $5. Gloxinia FINEST strains, doz., 50c; 100, $3. READY JANUARY. Asparagus Sprengerii seed, 100, 75c; 1000 $6. Asp. Pl. Nanus, 100, $1.25; 1000 $10. Larkspur, both seed, 100, 40c; 1000, $2.50. Pandanus utilis, 100, $1.25; 100, $10. Cocos Wed., 100, $1; 1000, $7.50. Japs. Fernballs, sample 50c; doz., $4.50.

H. H. BERGER & CO., 47 Barclay St., NEW YORK.

SEEDS OF Asparagus Sprengerii,

$7.50 per 1000 seeds, 80 cts. per 100 seeds.

Asparagus Plumosus Nanus,

$10.00 per 1000 seeds, $1.25 per 100 seeds.

Less 10 per cent for Cash with Order

August Rolker & Sons, 52 Dey St., New York.

Please mention the American Florist when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

Japan Lilium Longiflorum.

	Per 100	Per 1000
5 to 7 in. circumference	$2.50	$20.00
6 to 7 in. "	2.75	25.00
7 to 9 in. "	4.50	40.00

Lily of the Valley and Lilium Auratum.

Prices on application.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

THE EARLIEST

CARQUEIRANNE BULBS!

in ripe perfection and of the highest quality.

Roman Hyacinths, Narcissi, Freesias, Etc.

Write for lowest quotations direct from the grower

A. BERNARD, Carqueiranne (Var) France.

Please mention the American Florist when writing.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Ball Head and Cauliflower Wibolit's Snowball. Awarded highest prize St. Petersburg, May, '99.

LILY OF THE VALLEY PIPS.

XXX SEEDS

VERBENA GRANDIFLORA.

The finest strain of Improved Giant Verbenas yet produced; largest flowers and best colors, per pkt., 600 seeds, mixed colors, 50 cts.

PETUNIA DOUBLE FRINGED,

The largest and finest Double Fringed and Mottled Petunias to be had. Trade, pkt., 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00.

PHLOX DRUM. PUMILA,

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales. Mixed colors; per trade pkt., 20 cts.

A pkt. of new double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES.

"NOT A CENTURY PLANT, BUT THE PLANT OF THE CENTURY"

is Begonia

GLOIRE DE LORRAINE

Our plants are fine and in very thrifty condition.

$3.50 per doz., $25.00 per 100.

Our stock is sportively inclined. We already have a delicate pink variety and one with partly white flowers.

EDWIN LONSDALE, Chestnut Hill, ...PHILA. PA.

Lily OF THE Valley

Vaughan's London Market.

Ask for samples.

Spiræa...

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St.

CHICAGO: 84-86 Randolph St.

PANSIES

Roemer's Superb Prize Pansies.

This improved strain, all the leading novelties included, strong bushy plants, ready now, 60c. per 100, by mail; $2.00 per 500, by express; $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000. Transplanted large plants in bud and bloom, $1.00 per 100. CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Panalea.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY			
30-36 in. stem	per doz.	$12.00	
24 "	"	9.00	
20 "	"	7.50	
15 "	"	5.00	
12 "	"	3.50	
8 "	"	2.00	
METEOR	per 100	$15.00	
BRIDESMAID	"	15 00	
BRIDE	"	15 00	
PERLE	"	8.00 to 12.00	
CARNATIONS	"	4.00 to 5.00	
" Fancy	"	6.00	

Quotations subject to change without notice. All other stock at lowest market prices.

We Have a Surplus

of some varieties of Carrots, Celery, Cucumbers Sweet Corn, Lettuce, Musk-melon, Water-melon, Onions, Radishes, Pumpkin, Squash and Tomato Seeds.

We have large stocks of Red and Alfalfa Clover, Meadow Fescue, Millet and other Grass Seeds. Sorghum, Kaffir, Broom and Field Corn, Sunflower and Tree Seeds. If interested, please correspond with us. KANSAS SEED HOUSE.

F. Barteldes & Co. Lawrence, Kans.

GOLD FISH and AQUARIA SUPPLIES

SEND FOR PRICE LIST

	Per 100
Select Gold Fish, medium to large	$10 00
Good Gold Fish, medium to large	7.50
Good Gold Fish, small to medium	5 00
Select Silver Fish, medium to large	5.00

Large variety of Fancy Fish.

CHRISTMAS WREATHING, wound on card, heavy quality, $3.00 per 100 yards. Cash with orders

Keenan's Seed Store, 6112-6114 Wentworth Ave. CHICAGO.

Fern Balls.

For spring delivery must be ordered now.

VREDENBURG & CO., Rochester, N. Y.

Please mention the American Florist when writing.



1900 PRICES

		Per 100
1000	Obconica, in bloom.....3-in.	$3.00
7000	Obconica, strong, 2¼-in.	2.00
5000	Chinese Primula, 2¼-in.	2.00
2000	Forget-Me-Not, winter-flowering.....2¼-in.	2.00
10000	Feverfew Little Gem..... "	2 00
5000	Begonias, flowering, 15 varieties named.....2¼ in.	2.00
10000	Alternantheras, 4 varieties, named.....2¼-in.	2.00
6000	Standard Coleus, 10 fine bedders, "	2.00
10000	" " R. C., strong, ...per 1000, $6 00,	.75

5 Plants at 100 Rates. Cash.

W. H. MURPHEY, - Minooka, Ill.

ELECTROS

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock. Our collection includes the leading

ANNUALS
BIENNIALS
HARDY PERENNIALS
POT PLANTS
FLORISTS' FLOWERS
TREES AND SHRUBS

Also PARK AND GARDEN SCENERY.

PRICE FOR CASH ONLY 15 CENTS PER SQUARE INCH

THE AMERICAN FLORIST CO.

.....324 Dearborn Street, CHICAGO, ILL.

Please Mention Us To Our Advertisers.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS Pres.; O. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester. N. Y., Sec'y.

AMERICAN nursery stock is meeting with favor at Cape Town, South Africa.

THE board of commissioners of Lincoln Park, Chicago, will this week complete new plantations which have cost about $21,000.

J. E. BAKER, Commissioner of Horticulture of the State of Washington, states that many stories of the destruction of infested imported nursery stock are gross exaggerations.

D. J. FOGERTY, of Omaha, is suing several parties to recover damages to the amount of his profits had they not refused to accept goods ordered on the usual nurserymen's contract.

The California Privet.

What is known as the Californian privet, though really a Japanese shrub, Ligustrum ovalifolium, is an uncommonly profitable shrub for florists to handle as well as for nurserymen. Until its use as a hedge plant, some ten or more years ago, there was nothing which served its purpose in the north. The south has its Cherokee and Macartney roses and its pyracantha, but the roses are not hardy enough for northern use and the pyracantha cannot be increased as quickly as is desirable; besides that, it does not form a hedge in as short a time as the privet does.

Privet hedges were nothing new when the Californian was introduced, but the one before used, Ligustrum vulgare, did not possess the quickness of growth nor the lovely green foliage of the other. And not only are the leaves large and bright green, they are almost evergreen as well. In fact, I am told that the officials of the custom house in New York have it classed as an evergreen, but in this they differ from standard authorities as well as from the hundreds who grow it as single specimens and in hedges. Nevertheless it is very nearly evergreen. In mild winters the foliage holds green until the new growth is almost ready to appear, and in sheltered positions, when in hedge use, it forms a screen to some extent until the young leaves come, and especially when the plants are young and vigorous.

There are many places where this privet is as yet almost unknown as a hedge plant and were a hedge of it set out by some one, to show its merits, it would soon be called for by many of those who would recognize its desirability. The ease with which it can be increased and transplanted, and the severe prunings it may receive without harm, all place it above any other plant known for its purpose.

This privet has been grown about Philadelphia for perhaps fifteen years and until last winter without any injury from cold. The unusually severe winter of 1898-99 slightly injured some hedges and plants on sunny slopes, but to no serious extent anywhere. But injury to it in this way is no great loss, as it is nothing more than a pruning, resulting in a far bushier growth than before.

The propagation of this privet may be by cuttings of either hard or soft wood. The former is by taking the shoots of the past season, cutting them into eight-inch lengths, and setting them out in nursery rows in the spring. Make them during winter and bury them underground, or in boxes of sand or soil in a quite cool cellar or cave until spring comes. Green cuttings are from young growing shoots and are to be struck in frames or in greenhouses in summer. Under either system a good stock is soon had.

There are two other ligustrums on trial for the same use, viz., L. Japonicum and L. lucidum. These are two evergreens, both natives of China. The tests are chiefly to prove what degree of cold they will stand. L. Japonicum has a very pleasing foliage, reminding one a good deal of the European myrtle, Myrtus communis. There is no doubt of its evergreen character. Last winter its tops suffered somewhat from the below zero weather they endured for several days, but, as suggested in speaking of L. ovalifolium, this simply acts as a pruning and makes the plant bushier. It is much used as a single specimen about the capitol grounds at Washington, which is where I first saw it. The other one, L. lucidum, is well named, as its very large leaves are of a lustrous, shining green, and are quite persistent. It has not had the trial for hardiness L. Japonicum has, but its reputation for standing cold is good. Should it prove as hardy as L. ovalifolium it will make a leading hedge plant, being vigorous, large-leaved and evergreen. A dwarf variety of this species, L. coriaceum, an uncommonly pretty-leaved kind, is met with here and there in collections under the name of L. Ibota. L. Ibota is not at all like it, being a tall growing kind with relatively small foliage. JOSEPH MEEHAN.

Minneapolis.

Christmas trade was the best that has ever been known here. Flowers were in good supply and fair quality. Beauties sold at $18 per dozen for the best and other roses sold at from $2.50 to $3 per dozen. Carnations, fancy, sold readily for $1.50; common, sold for 75 cents to $1, which was higher than ever before. Violets brought from $3 to $4 per hundred. The demand for plants is increasing from year to year, and palms and Boston ferns sold well. There was much inquiry for poinsettias, which were only displayed in limited quantity. Holly and green sold readily, but the supply was equal to the demand. R. Will & Son brought in a very fine lot of carnations. E. Nagel & Co. had the best lot of violets that has ever been exhibited here; they were Marie Louise, large flowers with stems over six inches long. Part of them were grown in bottomless pots, which have proved to be very successful. L.

BURLINGAME, COL.—E. W. McLellan recently had a narrow escape from the loss of his sight. He was showing some visitors the arrangement of his coal oil boiler when a tongue of flame flashed into his face, removing his hirsute and burning him painfully.

IMPORTANT.

Every retail Florist should have our descriptive wholesale price list of SPECIALTIES, there is money in it for every man in the trade, a few of the good things mentioned below.

VERBENAS, 20th Century set 32 grand mammoth varieties selected from over 100 of the choicest, including the latest Capt. Dreyfus, Helen Gould, Melba and many others. Clean, healthy, vigorous plants of the most fascinating colors and shades, Extra strong 2-in. full of cuttings $2.00 per 100, $18.00 per 1000; extra strong rooted cuttings 60c. per 100; $5.00 per 1000.

DBL. FRINGED PETUNIAS Dreer's and Henderson's latest, known the world over as the standard of perfection. 12 gorgeous varieties. True to name. Extra strong 2-in. $2.00 per 100, $18 00 per 1000; extra strong rooted cuttings, $1 per 100, $8 per 1000.

5000 GERANIUMS, Bruanti (the great scarlet bedder), S. A. Nutt, La Favorite, Athlete and Sweet scented—strong, 2¼-in., 3c.; $27.50 per 1000.

NEW GIANT CALIFORNIA WHITE MARGUERITE and New Golden; they sell on sight, extra strong 2½-in. $2.50 per 100; extra strong rooted cuttings $1.00 per 100.

SALVIA SPLENDENS, the old stand by, no other so good. Extra strong 2½-in. $2 50 per 100; extra strong rooted cuttings, $1.00 per 100.

AGERATUM PRINCESS PAULINE, the great novelty of '98, the only one to grow. Extra strong 2½-in. $2.50 per 100; extra strong rooted cuttings, $1.00 per 100.

VINCAS, MAJOR AND VARIGATIA, extra strong rooted cuttings, $1.00 per 100.

1000 BRIDESMAID ROSES, strong 2½-in. and 3-in., $2.50 per 100, $20.00 per 1000.

SMILAX SEEDLINGS, extra strong, bushy plants (seed sown August 1st), 50c per 100; $4.00 per 1000 by mail. Extra strong, 2½-inch, 2c. Six foot strings, 15½c.

☞ TERMS STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Please mention the American Florist when writing.

CABBAGE PLANTS.

Jersey Wakefield and other vars. from cold frames, transplanted, 25c per 100; $1.50 per 1000; $12.50 per 10,000. If by mail add 20c per 100.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

Please mention the American Florist when writing.

HOME OF CHOICE TREES
and Hardy Plants.

SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.

NEW INTRODUCTIONS OF HARDY PERENNIALS.

NEWPORT NURSERIES, Newport, R. I.

Frank Brunton, Mgr. ☞ Catalogue free.

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HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

Please mention the American Florist when writing.

NURSERYMEN....

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

LAKEVIEW ROSE GARDENS

.....JAMESTOWN, N. Y.....

WHOLESALE GROWERS OF CUT FLOWERS.

WE CAN FILL ALL ORDERS AT SHORT NOTICE.

As Usual,

KENNICOTT BROS. CO.
will fill all
orders except
for Beauties.

Yours Respectfully,

KENNICOTT BROS. CO.,

42-44 RANDOLPH ST.,
CHICAGO, ILL.

"THEY ALWAYS DO IT."

Please mention the American Florist when writing.

CARNATION CUTTINGS.

	Per 100	Per 1000		Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00	FLORA HILL	$2 00	$15.00
G. H. CRANE	5.00	40.00	GOLD NUGGET	2.00	15.00
AMERICA	5.00	40.00	TRIUMPH	2.00	15 00
MELBA	4 00	30.00	DAYBREAK	1.25	10.00
LESLIE PAUL	4.00	30.00	ARGYLE	1.25	10.00
GOV. GRIGGS	4.00	30.00	ARMAZINDY	1.25	10.00
MRS. BRADT	3.00	25.00	LIZZIE McGOWAN.	1.00	7.50
FRANCES JOOST	2.50	20.00	EVELINA	1.00	7.50
EVANSTON	2 50	20 00	MAYOR PINGREE	1.00	7.50
JUBILEE	2.50	20.00	WM. SCOTT	1 00	7.50
VICTOR	2.50	20.00	NIVEA	1.00	7.50
WHITE CLOUD	2.50	20.00	MORELLO	1.00	7.50

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Peter Reinberg, 51 WABASH AVE., **Chicago.**



PREPARED TROPICAL PALMS

—AND—

CYCAS ..LEAVES.

Send for Catalogue.

Ostertag Bros., Florists,
Washington and Jefferson Aves., ST. LOUIS, MO.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots . 18.00
Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.

Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

BARGAINS--The following, post paid, $1.00: 50 Gladioli, 8 French Cannas, 40 Crysanthemums, 40 Tulips, 100 mixed Bulbs, 150 choice Strawberry plants, 40 Currant or Goosberry plants, 100 Blackberry roots, 25 Giant Rhubarb, 50 Red or Black Raspberries.

ALVA CATHCART, Bristol, Indiana.

Please mention the American Florist when writing.

Monday, Jan. 1, 1900,

we shall be open for business in our new quarters,

...32-34-36 Randolph Street,

"The Lord loveth a cheerful giver."
Give us your orders.

WHOLESALE CUT FLOWERS,

E. C. AMLING,

W. S. HEFFRON, MGR.

...CHICAGO, ILL.

1900--HAPPY NEW CENTURY--1900.

"GREEN GOODS."

"WRITE, TELEGRAPH OR TELEPHONE."

Galax Leaves—Brilliant Bronze....$1 per 1000
" " Brilliant Green.....$1 per 1000
Leucothoe Sprays.....$1 per 100
Wild Smilax, "hand picked" brand.....50 lb. case, $6.50
Wild Smilax, "hand-picked" brand.....35 lb. case, $4.50
Palm Leaves, "fresh green".....$2.50 per 100
Needle Pines.....$1.50 to $2.50 per 12
Faocy Ferns, Dagger Ferns, Etc., Etc.

HARRY A. BUNYARD,

Telephone 2065 Madison Square. 42 W. 28th St., NEW YORK CITY.

Asparagus Plumosus Nanus

STRONG STOCK.

2-inch.....$4.00 per 100; $35.00 per 1000
3-inch.....$7.00 per 100; $65.00 per 1000

S. S. SKIDELSKY,
730 Pine Street, PHILADELPHIA.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list will be ready Jan 1, 1900.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and oyoling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

The Hitchings Ball.

The employes of the well known firm of horticultural architects and builders, Messrs. Hitchings & Co., announce their third annual ball, to be held in Columbia Hall, 608 Ocean avenue, Jersey City, N. J., Tuesday evening, February 6, 1900. The committee on arrangements is an unusually active one and promises that this ball will eclipse all previous attempts. At the recent meeting for the election of officers for the ensuing year the following were chosen: President, Walter G. Gibbons; vice-president, John N. McArthur.

At Denver.

Following is the score made by the Denver Florists' Bowling Club, on December 19:

Player	1st	2d	3d	Av.
John Berry	155	186	183	174
J. N. Jakobsen	140	134	137	137
A. M. Lewis	169	153	136	153
Ed. Emerich	164	147	156	155
Rob't Kurth	212	167	157	179
Chas. Mauff	129	181	221	177
Chas. Thiess	167	136	139	147
Al. E. Mauff	168	208	158	178
Chas. Franz	115	257	146	173
Geo. Brenkert	171	148	189	169
Geo. Zimmer	135	124	124	128
Don Scott	140	181	151	164
John Ferris	136	162	169	156
A. A. Benson	130	109	180	141
Chas. Meyer	143	112	143	133

At West Hoboken, N. J.

The North Hudson Florists' Club points with pride to the following scores made on Wednesday evening, December 20th. When, after further practice, they get steadied down they are likely to prove formidable competitors for honors next August:

Player.	1st	2d	3d	4th	Av.
M. Hansen	180	218	132	201	183
George Brown	155	156	173	187	168
Chas Dietz	169	146	150	155	
Chas. Wache	165	132	158	128	146
Chas. Menne	145	118	166	143	
H. Baumann	108	199	123	131	140
H. C. Stemhoff	146	140	119	137	136
Wm. Hillebrecht	139	130	119	150	135
John Birnie	119	145	133	135	133
Paul Fischer	118	146	122	143	132
L. Hanson	122	167	134	98	130
F. Fiesser	138	111	139	120	127
C. Reitz		112	133	127	124

Orange, N. J.

The section usually designated as the Oranges extends from South Orange to Newark and includes an area of thirty-six square miles, wherein every branch of the trade is represented. Beginning with the large wholesaler, we go first to the extensive houses of W. A. Manda, where Daniel MacRorie is our guide, if we chance to catch him between trips "on the road," and as we walk through the labyrinth of aisles he points to the great gaps in the stock which show what has gone out in the last week. Nearly everything available is sold, for there is a demand for all kinds of decorative plants. They have sold quantities of Dracæn terminalis, the call being strong for anything red.

There is quite a colony of rose growers around Mountain Station, who send their stock chiefly to the New York market, and one and all speak of the promise of brisk Christmas trade; "it is not, however, because there are so few in the business," says Mr. Boyle. The Lyon houses are in charge of Raymond Kuhn and are devoted to roses and carnations, with a few plants in pots for chance retail trade. During the summer two of the larger houses have been thrown into one span, a new roof covering the structure, which is now filled with carnations in full crop. Mr. Kuhn pointed with pride to the roses ready for packing and speaks of the interest with which he is looking forward to the delivery of the new rose Liberty; he was formerly with E. G. Asmus. His carnations are promising a large crop and consist mainly of Scott, Dean, Daybreak and McGowan. There is but little stem rot this season in houses where it formerly was very troublesome. Smilax also is grown here.

Even the Japanese greenhouse, a little lower down, has made preparation for Christmas and Chabo Hiba, Bon Sai and fern balls mingle with quaint cacti and native grass in unique pots; in fact, ceramics figure here as prominently as do plants. A quantity of dwarf cherry trees in jardinieres are seen at the back of the house, resting.

Leaving the vicinity of the railroad passing over to "Castlewood," always of interest to the gardener because the birthplace of so many chrysanthemums of prominence, we find five large houses stocked with carnations. George Atkinson says he has no canse to complain except for the scarcity of flowers. The chrysanthemums caused delay in getting the carnations in and he still has many chrysanthemum blooms; the trade will hear of some novel seedlings in due time. His mushrooms are doing well and the nine houses, formerly Herman's, one mile south from here, are stocked with fine lettuce now ready for market. It calls for rare executive ability to run two places when they are so far apart, but Mr. Atkinson is equal to it.

On the main street of Orange, Popken & Collins' plate glass windows are a perpetual flower show. Their houses are on Bell street, a block or two away. Referring to the two acres of carnations planted last spring and now housed, Mr. Popken says that they have no over supply of these flowers, that instead they are running short. In regard to the prospect for Christmas trade, he says, that if florists but equal the trade in other lines, all will do well.

The old established house of John McGowan shows some fine carnations, grown chiefly for his own trade, those of largest size being Mrs. Bradt. He complains of the scarcity of both flowers and plants, a heavy demand for potted plants having sprung up. He speaks of enlarging his glass to meet the demands of the wholesale trade which his reputation as a carnation grower has brought him.

The area of the violet grower is both over and under the mountain, the houses of Louis Conrad, of West Orange and J. C. Williams, of Montclair, being the most prominent. Both complain of the scarcity of blooms; though the quality is good the yield is only half what it was at this time last year. Mr. Williams' carnations are particularly fine; 2,000 were waiting shipment and many more were uncut on the benches. He complains of stem rot.

David Rose, at his new quarters, is making preparation for a large Christmas trade in palms and decorative plants; he says trade is good. Mr. Rose has other good things besides Polly Rose.

A. S. Wallace, the largest lily of the valley grower in this section, has also some fine primulas and poinsettias, besides smilax, asparagus, tulips and general stock. He is making large shipments each day to the New York market.

A. Chesney, up toward Pompton, has all he can do and Rassbach & Son, of Bloomfield, have their houses filled with roses and carnations for which there is greater demand than they can meet.

On the whole the outlook is encouraging and the feeling of cheerfulness at the prospect of a large Christmas trade reflects itself on one taking this round, making it a most enjoyable trip.

J. B. D.

JAMESTOWN, N. Y.—A. N. Broadhead, of the Lakeview Rose Gardens, a few days ago opened a city salesroom which is in keeping with the general excellence attained throughout the establishment.

HARTFORD, CONN.—The Connecticut Horticultural Society at its annual meeting decided to give but three shows during the year 1900, namely, a sweet pea show in July, fruit, vegetables and dahlias in September and chrysanthemums and carnations in November. The September show will be given in South Manchester and the others in Hartford.

FOR PRESENT SOWING.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt., 50c.; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14.00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

PANSY CHICAGO PARKS MIXTURE, trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE AND MIXED. Each, trade pkt., 25c.

CENTAUREA GYMNOCARPA. Trade pkt., 10c; oz., 40c.

" **CANDIDISSIMA.** 1000 seeds, 25c.; oz., $1.

DRACAENA INDIVISA. Oz., 30c.; lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pterls, etc. Trade pkt., 50c.

LOBELIA ERINUS SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

LOBELIA CRYSTAL PALACE COMPACTA. Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue, fine. Trade pkt., 25c.

MIGNONETTE MACHET, true. Trade pkt., 10c.; oz., 40c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10d.; ⅓ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE, 250 seeds, 50c.

PRIMULA FORBESI, "Baby Primrose," 500 seeds, 25c.

" " **COMPACTA,** new, 500 seeds, 35c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura, and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE, contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent on orders for flower seeds for $2.00 and over for cash with order. For other seeds, send for our complete Flower Seed List.

New York. **VAUGHAN'S SEED STORE.** Chicago.

THE GRAND NEW ROSE LIBERTY! FOR APRIL DELIVERY.

All Orders Filled Strictly in Rotation.

THE brightest crimson forcing rose in existence. An all year around bloomer. Read record of cut of one house containing 1035 plants for season of 1898.

1898.	Cut.
Sept.	8479.
Oct.	7435.
Nov.	1684.
Dec.	4105.

Prices are as Follows....

1899.	Cut.	1899.	Cut.
Jan.	2570.	May.	5820
Feb.	3120.	June.	4106
Mar.	3008.	July.	7688
April.	5006	Aug.	5146

OWN ROOTED PLANTS IN 2½-IN. POTS.		GRAFTED PLANTS IN 2½-IN. POTS.	
12 plants	$0.60 each	12 plants	$0.75 each
25 "	.50 "	25 "	.60 "
50 "	.30 "	50 "	.50 "
100 "	.25 "	100 "	.40 "
1000 "	.20 "	1000 "	.35 "

ERNST G. ASMUS, West Hoboken, N. J.

AGENTS— VAUGHAN'S SEED STORE, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

GIVE US LIBERTY!

will be the cry when the plants are all sold. Order at once.

Robert Scott & Son,
SHARON HILL, Del. Co., PA.

Orders Now Booked For

CARNATION CUTTINGS!

For All Fancy Varieties.
All Cuttings Guaranted Al.

CHICAGO CARNATION CO.,
Greenhouses and address, JOLIET, ILL.

New and Standard Varieties of

CARNATIONS.

F. DORNER & SONS CO., LaFayette, Ind.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. Cash with order.

Asparagus Sprengerii, 2½-in. pots; Asparagus plumosus nanus, 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

Carnations. ROOTED CUTTINGS

SEND FOR PRICES.

ALL THE NEW AND STANDARD VARIETIES.

Geo. Hancock & Son, Grand Haven, Mich.

Field-Grown CARNATION PLANTS

ALL SOLD EXCEPT

800 EMILY PIERSON, 100 SILVER SPRAY,
200 MORELLO, 100 SAGINAW.

Will sell the above lot at one-half of cost price to grow, if taken at once. Plants are protected in cold frames and are in fine condition.

CHAS. CHADWICK, L. B. 11, Grand Rapids, Mich.

FOR SALE.

Good, healthy MRS. FISHER CARNATIONS, rooted cuttings for summer blooming, $1.00 per 100, $8.00 per 1000.

WM. SCOTT, $1.00 per 100.

ANDREW CHRISTENSEN, Stoneham, Mass.

SPECIAL SALE.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, in bud and bloom, from 4-inch pots, $1.50 per dozen; $12.00 per 100.

Chinese Primroses, fringed foliage, finest market vars. from 2 in. pots, $2 per 100; from 3½-in. pots $2.50 per 100; from 4-in. pots, fine plants in bud $4 per 100. From 4-in. pots, extra strong, in seven colors, including double white, red and single blue, all well set with buds, $1 doz.; $8 per 100.

All the above warranted A No. 1 stock.

PAUL MADER, East Stroudsburg, Pa.

25,000 Fine Rooted Runners... **LADY CAMPBELL VIOLETS.**

$5.00 per 1000. Sample free.

WILLIAM SWAYNE, Box 226. Kennett Square, Pa.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	$40.00
MRS. BRADT	3.00	25.00
WHITE CLOUD	2.50	20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00

	Per 100	Per 1000
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
PAINTED LADY	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000
KAISERIN	$2.00	$17.50
LA FRANCE	2.00	17.50
PERLE	1.50	12.50

	Per 100	Per 1000
METEOR	$1.50	$12.50
BRIDE	1.50	12.50
BRIDESMAID	1.50	12.50

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

Grown equally successfully by Hill, Craig, and myself; you are not buying it on a venture, but knowing that it is not a success in one soil and a failure in another.

In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants, never out of crop from September to July, more flowers to the square foot than any other known variety and practically no seconds.

With 18,000 stock plants to work from there is no danger of over propagation, and you are not asked to wait until planting out time for your cuttings but can have them whenever wanted. Orders entrusted to me will have my personal attention, both in the selection of the cuttings and the filling of the order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES at $4.00 per 1000, and a regular assortment of CARNATIONS in a list ready Jan. 1st.

ALBERT M. HERR, Lancaster, Pa.

Rose Crimson Rambler.

As a pot plant for retail sales this rose is incomparable. Its hundreds of blossoms all open together and seem to improve for at least two and even three weeks. The bright crimson color holds without fading and contrasts finely with the glossy foliage. It Forces Easily. We have fine dormant stock.

2-year-old, 2 to 3 feet, well branched, own roots, per dozen, $2.00; per 100, $15.00.
3-year-old, 4 to 5 ft., well branched, budded or own roots, doz. $3.00; per 100, $20.00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

FIELD GROWN, OWN ROOT

ROSE BUSHES.

TENDER AND HARDY SORTS.

BOSTON IVY.

Send in your list of wants for pricing.

THE HOWLAND NURSERY COMPANY.,
LOS ANGELES, CAL.

500 CYCLAMEN PERSICUM GIGANTEUM.

4-inch pots, all in bud and bloom, selected stock, at $12.00 per 100.

JOS. LABO, -:- Joliet, Ill.

VINCA MAJ. VAR. Last offer for dormant stock.
Fine field clumps, $5.00 per 100.
Fine young plants, field grown, $1.50 per 100.

CASH. HENRY KINGSTON, Council Bluffs, Ia.

CRIMSON RAMBLER,

Strong plants, 3 to 4 ft.	$15.00 per 100
Extra strong plants, 4 to 5 ft.	18.00 "

Acalypha Sanderi, 2½-in., $8.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Several thousand strong field grown, 2 year old

ZELIA PRADEL ROSE

plants for sale, $15.00 per 100.

JOHN WOLF, - Savannah, Ga.

ALTERNANTHERA, RED AND YELLOW, Rooted Cuttings, per 100 50c. per 1000 $4.00. Selaginella Denticulata, extra fine, 2-in. per 100 $2.00.

E. I. RAWLINGS, Quakertown, Pa.

San Francisco.

BUSINESS BRISK AND STOCK GOOD —RELATIVE VALUE OF VIOLETS.—SIEVERS' CARNATIONS IN THE LEAD.—NEW STORES.—PERSONAL JOTTINGS OF INTEREST.

Business is now very good in this city and seems likely to continue so. There is enough stock to go around. The quality has improved all along the line and one can now have first-class flowers. Roses are very good, both in color and size. There are some magnificent Bridesmaids and Brides now coming in from Mr. Nicholson at San Lorenzo. Beauties and Meteors are of fairly good quality. Violets are in good demand, particularly Princess of Wales. There is also a good sale for Californias, as they stand shipping much better than the Princess. Marie Louise violets are quite scarce as many of the growers have discontinued growing this old-time favorite. Sievers' new seedling carnations are very fine and are quite the rage. They hold up very well in price. Some splendid Flora Hill are in the market also. Some very fine lily of the valley were seen last week at Pelicano's. They retailed very readily at $1 per dozen. Romans seem to move slowly as also do chrysanthemums, which are of poor quality now.

P. J. Murray and A. Lallemond have opened a flower store at 61 West Santa Clara street, San Jose, under the name of the Golden Gate Floral Co.

Luther Burbank, of Santa Rosa, attended the fruit growers' convention at San Jose last week and delivered a highly interesting and instructive address upon new fruits.

The fourth annual ball of the San Francisco Florists' Club was held on December 10. Frank Pelicano was floor manager, ably assisted by Prof. Peter Matria. The hall was tastefully decorated and the event was a financial success.

Gualteri Armeti has accepted a position with Mrs. Leland Stanford at Menlo Park.

Michael Pieata, who started the first market garden near San Francisco, died last week. He was 77 years of age and came to the coast in 1848. He leaves a widow and five children.

B. J. Welsh has started a flower store at 613 K street, Sacramento.

METEOR.

THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

For further information apply to the nearest Railroad Ticket Agent, or to

H. B. McCLELLAN, G. E. A.,
387 Broadway, New York City,
J. D. McBEATH, N. E. P. A.,
5 State Street, Boston, Mass.
C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi dwarf, giant flowered, finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants—2½ in., $2 00 per 100; $5.00 per 300; 3-in., $3 00 per 100; large plants, 4 in., $1 00 per doz.

SHELLROAD GREENHOUSE CO.,
....Grenge P. O., Beltimore, Md.

FOR SALE CHEAP.

GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

GERANIUMS Richard Brett, Beaute Poitevine, Mrs. E. G. Hill, Wonder, Brusatili, Marguerite de Layers, $30 per 1000; 2¼ in. pots of the same, $30 per 10 0 $3 25 per 100. S. A. Nutt, La Favorite, Jas. Garr, Double Grant and several other good bedders, $15 per 1000; 2½-in. pots, $22 per 1000, $2 50 per 100.

Rose Geraniums, $2.00 per 100.

Skeleton Rose, $2 00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1 50 per 100 Coleus in variety, $5 per 1000, 60c per 100; 2-in pots, $1.25 100.

ACERATUM, Blue and White, 75c per 100.
Princess Pauline, $1 00 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100.

HELIOTROPE, 6 varieties, named, $1.00 per 102.

CUPHEA (Cigar Plant), $1.00 per 103.

FUCHSIAS, $1.50 per 100; 2½-in. pots, $3 00 per 100.

The above are rooted cutt'ngs, except when noted.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

TO CLOSE OUT for want of room, the following plants, ready for a shift.

		Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.	$8.00	
1000	" "	2-in.	5.00	45.00
5000	Pteris Tremula		2.50	20.00
2000	" Ensifolia	"	2 50	20.00
2000	" Serrulata Max	"	"	"
3000	" Longifolia	"	"	"
2000	" Serrulata	"	"	"
2000	" "Compacta Nana"		3.00	25.00
1000	" Onardia	"	2.50	20.00
1500	Nephrolepis Bostoniensis.	2½-in.	5.00	40.00
2000	" Cordata Compacta	"	4.00	35.00
2000	" Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cunestum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

FINE STOCK. **PANSIES.** AT LOW PRICES.

....THE JENNINGS STRAIN....

200,000 fine, stocky plants in cold frames. Large-flowering; superb colors; many are curled and fringed. 100 plants by mail, 60c.; 1000 by express, $3.50. Large plants in bud, 50c. per 100, ex. Seed of above, $1 per pkt., $5 per oz. 100 fine Pansy blooms by mail, 50c. Seed and plants can also be had in separate colors, same price.

100 choice mixed **Gladioli,** 50c. 100 extra large scarlet **Amaryllis** bulbs, $6. Medium size, $3 per 100. Samples sent for 10 cts. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Crower of the Finest Pansies.

ASPARAGUS 2½ INCH POTS

SPRENGERII } $6 per 100.
PLUMOSUS NANUS } FINE STOCK

JACKSON & PERKINS CO.,
Newark. New York.

Carnations. We are headquarters for all new and standard varieties. If you want anything write us. All information cheerfully given. Field grown plants all sold.

Chrysanthemums. Stock plants of the leading and standard sorts. Write for prices.

H. WEBER & SONS, Oakland, Md.

Please mention the American Florist when writing.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

THE BOSTON FERN A SPECIALTY.

Only orders booked at.....$5.00 per 100, $40.00 per 1000.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

HOME GROWN PALMS

			Pots	Per doz.	Per 100
Kentia Belmoreana		3-in.		$3.00	$23.00
" "		4-in.		5.00	40.00
	Size Pots.	Char. Leaves.	High.		
" "	5,	5-7	18-24,	$9-$12	$70-$90
" "	6,	7-8	20-25,	18	144
" "	7,	7-8	36-40.	30-36	240-290
" "	8,	7-8	$3.00 to $4.00 each.		
" "	9,	7-8	5.00 to 7.00 "		
Kentia Forsteriana,	3-in.	$1 50 per doz.;		$12 per 100	
" "	4-in.	$4.00 "		$23 "	
" "	5,	5-6	24-30,	$9-$12	$75-$95
" "	6,	7-8	25-30,	18	144
" "	7,	7-8	35-42,	28-30	225
" "	8,	7 8	$3.00 to $4.00 each.		
" "	9,	7-8	5 00 to 8.00 "		
Latania Borbonica,	2-in.			.50	3.00
" "	3-in.			1.25	12.00
" "	4-in.			3.00	23.00
" "	5,	5-8	15-20,	5.00	40.00
" "	6,	6-8	16-24,	8.50	65.00
" "	7,	6-8	18-24,	12.00	90.00
" "	8,	7-8	28-34,	22.00	175.00
" "	9,	7-9	28-36,	34 00	272.00

Ficus Elastica, 5-in. 50c; doz. $5.50; 6-in. $8.00 doz.
Livistonia Rotundifolia, 7 in., 12-14 leaves, $2.50 to $3.00 each. **Pandanus Veitchii,** 4-in. to 14-in., 50c to $10 each. **Boston Ferns,** 5c to $2.00 each. **Cycas, Dracænas, Asparagus, etc.,** in large variety. **Chrysanthemums,** stock plants, $10 per 100.

We have 150,000 Tropical Plants on hand. Your visit invited. Term cash, but inspection allowed at express office.

ALBERT FUCHS,
2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.

CHOICE STOCK

For CHRISTMAS Trade

	Per 100
CYCLAMEN, 4 colors, 2½-in. pots	$5.00
ASPARAGUS SPRENGERII, 2½-in., extra strong,	6.00
" " 3-in. pots, very large,	8.00
PRIMROSES (Chinese), 3-in. pots	5.00
" " 4-in. pots	8.00
" " 6-in. pans	$3.00 per doz.
(Obconica grandiflora and hybridua), same size and price as Chinese Primroses. All in bud and bloom.	

NATHAN SMITH & SON, Adrian, Mich.

CARNATION CUTTINGS.

ready to ship now. Guaranteed well rooted or money refunded.

"OLD CHESTNUT,"

but we say expressman must allow purchaser to examine cuttings before accepting and if not satisfactory must take the same back.

White Cloud, $2.50 per 100 or $20 per 1000; **Mrs. Joost,** $2.50 per 100 or $20 per 1000; **Melba,** $4 per 100 or $30 per 1000; **Mrs. Bradt,** $3 per 100 or $25 per 1000; **Victor,** $2.50 per 100 or $20 per 1000; **Mayor Pingree,** $1 per 100 or $7.50 per 1000; **Daybreak,** $1.25 per 100 or $10 per 1000; **Scott,** $7 per 1000. *Cash with order.*

CARL E. TAUBE,
Mercer Floral Co. TRENTON, N. J.

BOSTON FERN...

2½-in., $5.00 per 100; | 8 and 10-in. pans, from
5 -in., 50.00 per 100. | 75c. to $1.50 each.

Nephrolepis Cordata Compacta. 2½-in., $5.00 per 100, 8 and 10-in. pans, fine, $1.00 to $1.50 each.

Geraniums, S. A. Nutt, etc., rooted cuttings from soil, $1.50 per 100, $15.00 per 1000.

Asparagus Sprengerii, 2½-in., $5.00 per 100.

CASH PLEASE. CARL HAGENBERGER, W. Mentor, O.

Edward B. Jackson,
WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN,

in all sizes from

$5.00 per 100, $40.00 per 1000 to

SPECIMEN PLANTS at

75c., $1.00, $2.50, $5.00 and $10.00 each.

Further information cheerfully given.

SATISFACTION GUARANTEED.

EDWIN LONSDALE, Chestnut Hill, ...PHILA., PA

Please mention the American Florist when writing.

Grandest Geranium Under the Sun, **AMERICA,**

flowers large, opening white, changing through all salmon and rose shades into deep, clear rose color. Habit very dwarf; the most floriferous Geranium of the day—50c. each, $5.00 per doz.

Geranium Mars, 2¼-in. pots, $5.00 per 100.

CASH PLEASE.

HENRY EICHHOLZ, - Waynesboro, Pa.

HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**

The Exotic Nurseries. **DAYTON, OHIO.**

McFADDEN OFFERS

ADIANTUM FARLEYENSE We are headquarters for this most beautiful of all Adiantums.

2-inch pots.....$10 00 per 100
3-inch pots.....23.00 per dozen, 20.00 per 100
4-inch pots..... 6.00 per dozen, 40.00 per 100
5-inch pots..... 9.00 per dozen.
6-inch pots.....15.00 per dozen.

EMERSON C. McFADDEN,

Wholesale Florist & Seedsman. SHORT HILLS, N. J.

Named varieties of **GERANIUMS.**

4000 S. A. Nutt, 1000 La Favorite, } per 100.
1000 J. Y. Murkland, }$2.00

VINCA VINES.

A few 4-inch pot plants.....$6.00
" 3-inch " 4.00
8000 rooted cuttings..... 1.50

All Geraniums and rooted cuttings have been planted in flats for 6 weeks past. Cash with order.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

STORM KING DAHLIA

READY NOW.. **For Forcing.**

Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.

W. P. PEACOCK, Atco, N. J.

Please mention the American Florist when writing.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA, PA.

DEUTZIA GRACILIS.

Strong, bushy plants for forcing, $6.00 per 100.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Send for price list of Hardy Shrubs and Trees.

BOSTON FERNS,

From 2½ in. pots, $5.00 per 100.

J. W. DAVIS, Morrison, Ill.



3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."

IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other. Large clumps, ready to divide, $5 per 100 or 25 for $1.50 by express. Smaller ones by mail prepaid, same price. A few hundred EXTRA LARGE CLUMPS, $10 per 100, $1.50 for 12.

ASPARAGUS SPRENGERI 2½-inch, fine, $4.00 per 100; 3½-inch $7.00 per 100.

A BARGAIN. Fine 6-inch pots, will give lots of green, 25 for $5.00; 12 for $2.50.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

THE LACE FERN, POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

THE ORANGE VIOLET. (Browallia Jamesoni). Fine plants 3½-inch pots $1.25 per 12, express.

THE GENUINE EDELWEISS OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. 10 for $1, 25 for $2, mailed free. Send for sample flower.

A. BLANC, PHILADELPHIA, PA.

Force! Force! Force!

	Per 100
SPIRAEA Japonica	$3.50
" Compacta	5.00
" Astilboides floribunda	5.00
" Japonica aurea reticulata	5.00

Extra fine and decorative.

PAEONIA Officinalis rubra pleno 10.00

This is the true dark crimson variety, the earliest flowering Paeonia in existence, and the only one good for forcing.

	Per 1000
LILY OF THE VALLEY, selected pips, (German)	$12.00
GLADIOLUS Colvilli The Bride	4.00
" " Rubra	4.00
" May.....per 100, $2.50,	20.00

Pure white, finely flaked rose, the best for greenhouse planting.

Bobbink & Atkins,

RUTHERFORD, N. J.

Please mention the American Florist when writing.

Verbenas.

75,000, all standard named sorts, much superior to the home made named seedling often sent out. Gauranteed all true to name.

REDUCED PRICES.

Rooted Cuttings, well rooted

60c. per 100; $5.00 per 1,000; 5,000 for $22.00
10,000 for $40.00; 25,000 for $75.00.

In larger lots, write for prices.

We don't care where you live—guaranteed to reach you in good shape. Sent Prepaid.

Send for Price List of Other Stock.

S. T. DANLEY

MACOMB, ILL.

PANSIES

FINE PLANTS. Large Flowing Strain, 50c. per 100, $2.50 per 1000.

PANSY SEED. Non plus ultra, $4 00 per ounce.

CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N. Y.

Tell them where you saw the ad.



NOVELTIES FOR 1900.

HIBISCUS PEACHBLOW.

This is one of the finest plant novelties offered in recent years. The flowers are double and from 4 to 5 inches in diameter. Color a clear, rich pink with a small, deep crimson center, an entirely new and most beautiful shade. 2½-inch pot plants, per dozen, $1.50; per 100, $10.00. March.

AGERATUM STELLA GURNEY.

The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen, $1.25; per 100, $8.00. March.

VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.

REAL ESTATE.

Land with or without greenhouses, in different parts of the United States. Bargains can be had and opportunities opened for profit. Write for particulars and state your requirements.

SMITH & SMITH,

345 Sixth Ave., Pittsburg, Pa.

Brokers in Real Estate, Glass, Pipe, Boilers, Etc.

Tiffin, O.

Louis Ullrich's Christmas trade was none the less for the excellent three-column illustrated write-up of his establishment which appeared in one of the leading local papers a few days prior to the holiday. The story was told of the growth of Mr. Ullrich's floricultural interests from an amateur beginning to the range of fourteen houses in which he raises a variety of good stock to meet the demands of his large local and shipping trade, and the narrative lost nothing in the telling by the fact that it was all true. His success with Golden Gate is known the length of the land, probably even better than it is known at home, and served as an introduction to his good work with other varieties. Carnations came in for their share of publicity, and blooming plants and the great variety of miscellaneous stock were commented upon in a way which might be commended to the notice of other owners of greenhouses containing many things which the public would like to read about if the tale were told in a pleasing way.

ST. JOSEPH, MO.—Frank Stuppy, son of L. J. Stuppy, is at Hot Springs, Ark., slowly recovering from an attack of partial paralysis.

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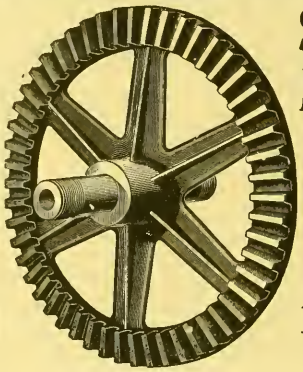
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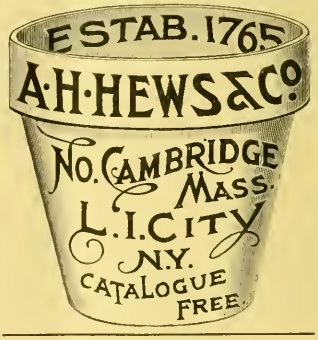


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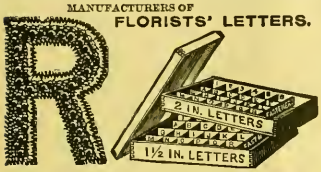
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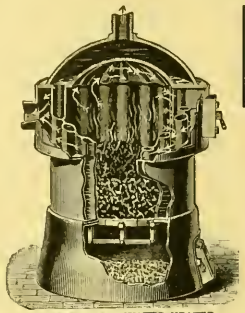
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BINGHAMTON, N. Y.—Wm. H. Graham, who conducts the flower stand in S. L. Smith's drug store has leased the Brigham & Wells ice houses and will combine his interests.

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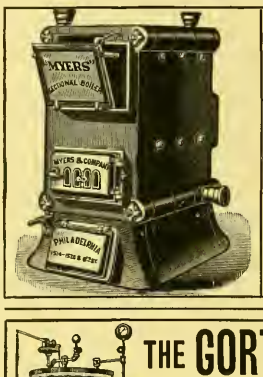
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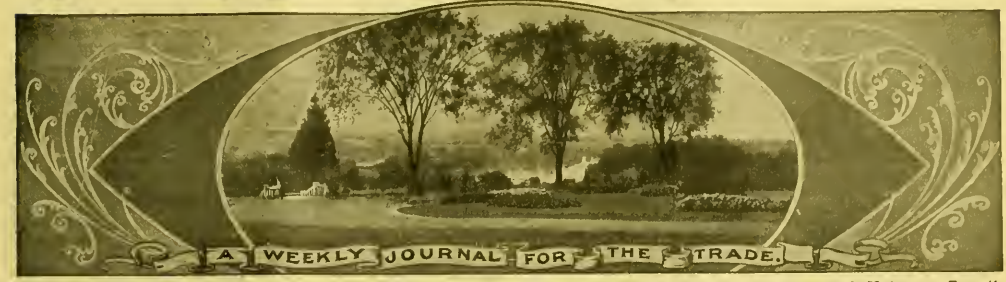
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Vol. XV. **CHICAGO AND NEW YORK, JANUARY 6, 1900.** **No. 605.**

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Eden Musee, 23d St., New York, March 27-29, 1900. Paul M. Pierson, Scarborough, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Buffalo, February 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich., secretary.

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HOLIDAY TRADE.

Many reports of good business during the holidays continue to reach us, a number of which follow herewith:

OLEAN, N. Y.—Mrs. F. H. Johnson says Christmas trade was the best in ten years and everybody paid cash.

AUGUSTA, GA.—H. W. T. Balk states that Christmas trade was double previous years and that the prospects for spring are bright.

HAVERHILL, MASS.—G H. Hill reports trade slightly better than a year ago. There was increased sale for flowering plants and holly.

LITTLE ROCK, ARK.—Tipton & Hurst found a twenty-five per cent increase in trade with the usual holiday prices but hardly enough stock.

FARGO, N. D.—Christmas trade, says A. T. Shotwell, was forty per cent ahead of last year, with just stock enough to go around. There was not much call for plants.

CHATHAM, ONT.—Fanny Tissiman says Christmas trade beat all records. Carnations were largely called for and azaleas and cyclamens sold best among plants.

LOUISVILLE, KY.—Fred Haupt reports good trade and sufficient stock. The only feature different from previous Christmases was the increased call for violets.

SALT LAKE CITY, UTAH.—R. E. Evans says trade was more than double last year's. Prices were much higher although there were enough flowers for all. Palms sold very well.

BUTTE, MONT.—Law Bros. say trade was double last year's, with prices much higher. There was a great call for Beauties. Plants were scarce but anything would have sold.

FREMONT, NEB.—C. H. Green says Christmas trade was the best on record here. Supply was almost equal to the demand, but prices advanced from thirty to fifty per cent.

PORTSMOUTH, VA.—W. J. Harris says trade was thirty per cent ahead of last year. Carnations were scarce and prices higher. There was sale for any plant which bore a flower.

ERIE, PA.—S. A. Baur reports trade an increase of ten per cent over last year; home stock inadequate; qualities high. Violets and Beauties were leaders. Plants sold as well as usual.

WAVERLY, Md. — Robt. L. Graham reports sales ten per cent ahead of last year, with stock enough for all. Red immortelles sold better than ever, especially in original bunches.

SPRINGFIELD, MO.—W. A. Chalfant found trade twenty-five per cent ahead of last year. Roses and carnations were scarce. He reports a decreased sale for palms and flowering plants.

BRATTLEBORO, VT.—D. McGillivray says Christmas trade was far ahead of previous years. Everything sold, but carnations were in greatest demand. Plant trade was extra good.

PROVIDENCE, R. I.—Farquhar Macrae noted an increased call for carnations. The preference was for azaleas, cyclamens, primroses, ardisias and solanums; decorative plants went slowly.

DES MOINES, IA.—W. L. Morris noted as a peculiarity of the largest holiday trade on record, that buyers preferred to pay a big price for fine carnations rather than to take roses at prevailing rates.

WEST HOBOKEN, N. J.—John Birnie has a tale of Christmas woe. He grows carnations exclusively and says that he cut less and received less for them than he has received in twenty-five years.

NEW ORLEANS, LA.—Christmas was one-fourth better than last year, reports U. J. Virgin, and there was stock enough. There was a marked increase in the call for Beauties and plants of all kinds.

ALEXANDRIA, VA.—J. Louis Loose, who sells in Washington, had enough stock to meet a twenty-five per cent increase in Christmas demand. Double the usual quantity of flowering plants were sold.

ST. JOHNS, N. B.—H. S. Cruikshank says trade was ten per cent better although prices did not advance. Roses and carnations were both short. There was increased sale for flowering plants.

WASHINGTON, D. C.—A. Gude & Bro. report that the plant trade almost equalled Easter. Trade was a little heavier than a year ago. There was enough stock except of carnations. Everyone is satisfied.

BANGOR, ME.—Adam Sekenger reports cash receipts fifty per cent larger than a year ago and prices a twenty-five per

cent advance. There was a great call for pinks. Azaleas, Begonia de Lorraine and ferneries also sold well. Twice the holly was needed.

BUCKSPORT, ME.—Fred. H. Moses enjoyed a considerable increase in Christmas trade, with plenty of everything except carnations, which were in great demand. More holly might have been sold.

KANSAS CITY, MO.—W. J. Barnes noted the particular demand for colored flowers. Trade was half again larger than a year ago and everybody was rushed. Roses brought much better prices than usual.

FAIRBURY, ILL.—John Milne & Son report a marked increase in Christmas trade, with prices higher than in previous years. The principal call was for colored carnations and their stock was nearly in full crop.

MONTGOMERY, ALA.—W. B. Patterson enjoyed Christmas trade double his best previous record; prices were twenty-five per cent higher than a year ago. Plants shared in the increased demand, particularly flowering subjects.

OAKLAND, CAL.—H. M. Sanborn says the increase was thirty per cent; carnations were up twenty-five per cent in price and were in great demand, especially red. There was hardly enough stock although the supply was large.

HAMILTON, ONT.—E. G. Brown reports trade about the same as last year with prices a little better and a short supply. Violets were particularly popular and scarce. Flowering plants and palms of higher value sold well.

SAN FRANCISCO, CAL.—Jas. T. Lynch estimates the increase in holiday sales as fifteen per cent, principally caused by higher prices. Stock was in short supply and all cut flowers sold. The plant trade was about as last year.

SYRACUSE, N. Y.—L. E. Marquisee says that this was his best Christmas, more business, better prices. He had stock enough except of carnations. Some report increased plant sales; he did not experience extra demand.

WHEELING, W. VA.—Max L. Hess says trade was two-thirds heavier than last year; there was stock enough and the greatly increased prices were an error and resulted in poorer sale for flowers and more call for plants.

BURLINGTON, VT.—C. E. Gove says that trade was twenty-five per cent ahead of last year and prices twenty per cent higher. Twice the usual quantity of holly was used. Primroses, cyclamens and Boston ferns all sold.

TACOMA, WASH.—At McCoy's they estimate the Christmas trade as twenty-five per cent ahead of last year's; prices were higher; carnations and violets were short because of unusual demand; calls for plants were few; greens sold well.

COLUMBUS, O.—The Livingston Seed Co. estimates business as ten per cent ahead of last year, with better prices for leading flowers. American Beauties and violets were in great demand and scarce. Holly sold ahead of the supply. Decorative plants led everything. Trade began early.

PHILADELPHIA, PA.—S. S. Pennock says the Christmas trade exceeded last year's, with better prices on Beauties and fancy stock but entirely too much cheap stuff in market. Beauties, orchids and extra qualities were in great demand. There was a large increase in plant sales, mostly flowering subjects.

PORTLAND, ORE.—Geo. Otten reports an increase of twenty per cent in trade. Prices were higher for fancy stock. Red carnations were in highest favor. There was increased sale for ferneries but expensive plants did not go. S. J. Lemmon says the increase was thirty-five per cent and that there was enough stock.

Some New Sweet Peas.

Last week we received some excellent samples of indoor-grown sweet peas from Ant. C. Zvolanek, of West Hoboken, N. J., who states that the seeds were sown the first week of September in 4 inch pots and placed outdoors. During the last week of October the seedlings



NEW SWEET PEAS.

were planted in the greenhouse benches, succeeding early chrysanthemums. In the last week of December they were in full crop, a temperature of 45° being maintained. The varieties, all new and promising, were originated by Mr. Zvolanek, and are illustrated herewith. No. 1 has been named Zvolanek's Christmas; No. 2 is a seedling from Emily Henderson; No. 3, variegated seedling; No. 4, sport from Zvolanek's Christmas; No. 5, seedling of Katherine Tracy. The plants were four and a half feet high December 28.

ROSES.

AMMONIA IN WATER.

ED. AM. FLORIST:—Please inform me through your columns of the effects, if any, on roses of water containing 19-100 of free ammonia, applied to the plants as often as they need watering? Would it have a tendency to turn the foliage yellow? HARRIS.

Replying to your correspondent, I certainly should hesitate to use water continuously on roses containing nineteen per cent free ammonia, as the effect would certainly be injurious. If used, say, once a month, with clear rain water at all other times, it would be beneficial. Usually too much ammonia will cause the foliage to turn pale and check the growth of young shoots. If his plants are now in that condition a couple of waterings of lime water will help materially to correct the trouble. Take about a peck of fresh lime and slake it as if preparing to make mortar; when thoroughly dissolved add about fifty gallons of rain water if it is to be had, allowing it to stand till clear; then when the soil is on the dry side thoroughly soak the whole; in two weeks repeat the same application, giving only light syringings of clean water on bright days till the plants get back their natural green color.

JOHN N. MAY.

ABOUT BRIDESMAID.

ED. AM. FLORIST:—I have a rose house in which are planted Perle, Wootton, La France, Bridesmaid and Hoste, and would like to ask why the buds on Bridesmaid dry and drop off about the time they begin to form, laterals starting next to them at the time they drop? Those flowers that mature are small. The other varieties are all right and up to this time, with Bridesmaid, made good growth and gave a crop early in November. The plants were then kept on the dry side in a lower temperature; they are now starting another crop, but Bridesmaid continues to drop its buds. The plants were benched July 10 in a stiff sandy loam, with one part cow manure to three of soil, composted last spring. One part bone to fifty of compost was added when filling the benches. With artificial heat and ventilation the night temperature was 60° to 65° during September and October, and 70° to 90° during the day. My benches were infested with eel worms the two preceding seasons, but this year they were thoroughly cleansed and a heavy coat of whitewash applied. The soil is of a different character from that previously employed, and was taken from another locality. The plants are green and healthy and do not resemble stock affected by eel worms. W. D. T.

The cause of your correspondent's Bridesmaids dropping their buds is hard to explain from the information at hand, but I am inclined to think it may be caused by the heavy application of bone, as the roots of Bridesmaids are much more sensitive in the matter of food than the other varieties growing in the same house. The partial drying off in November would indicate that the bone is largely to blame, as bone will kill the roots of almost any plant if, after they have started feeding on it, they are allowed to get too dry. I once saw a field of cabbages which had been heavily dressed with bone (though nothing like the proportion "W. D. T." has given his roses) before planting; it happened to be very wet weather for three or four weeks afterwards, and the young cabbages grew amazingly, but a spell of dry weather followed, and nearly every cabbage plant withered up and died inside of three weeks. On careful investigation it was found that every root touching the bone was burnt brown.

If "W. D. T." will keep his soil uniformly moist and keep the night temperature down to 54° to 56°, give all the air reasonable during the day and use nothing but soft water on his plants, I think he will find a decided improvement in the flowers in a short time, though it may take a month or more to get them into good bearing state. He does not state

what the character of the water is he has been giving them; if there is any lime in it, there is all the more reason to lay the trouble to the bone. If my supposition is not correct then there must be some element in his compost detrimental to the tender roots of this particular rose. A very careful examination of the roots of his worst affected plants would undoubtedly help materially to solve the problem. The humus in the compost will of course ere this have turned the bone a dark color, but by using an ordinary lens the bone can be found easily enough in the soil around the roots. If the latter have turned brown where they came in contact with the bone, it is a good reason to lay the trouble to the bone. JOHN N. MAY.

MAID OF HONOR.

ED. AM. FLORIST:—How is it we hear so little of the new rose Maid of Honor? It was largely advertised last winter and spring and also well spoken of by some of the leading rose growers at that time, but I see no mention made of it now. I felt induced to invest in fifty plants but my experience with it is not at all satisfactory. In the first place it is more subject to mildew than either Bride or Bridesmaid, and most of the buds produced so far have been malformed, the larger number of them having a green bud in the center. It looks much like being a repetition of the short-famed Waban of years past. Several other growers in this neighborhood have had the same experience with it, although they are very successful with other varieties. Booming up a variety which at once proves to be a fizzle is very apt to scare the average florist from investing in new varieties before he can satisfy himself by observation that he is getting something that is actually meritorious. I shall be pleased to know of the experience of other growers with this variety. OHIOAN.

In reply to the above, permit us to ask "Ohioan" why we should advertise our new rose Maid of Honor now? There is no sale for the plants at the present time. It is not always the most loudly advertised plant that is the best. In spring he will hear from us again. With regard to mildew, Maid of Honor is far less subject to it than Bride and Bridesmaid, if grown properly. When grown at the right temperature the buds will not come malformed, or produce green centers. And once for all, it should be remembered that Maid of Honor is a winter-blooming rose and not a summer variety. Is every grower successful with Meteor and American Beauty? Is he who fails with these two varieties justified in saying they are "a fizzle?" What is true of these varieties in this respect is also true of our rose.

Perhaps "Ohioan" did what we have seen some other Ohio florists do—try to grow his Maid of Honor plants successfully in the same house with Meteors, Perles, Brides, Bridesmaids, violets, palms and ferns. Now every successful rose grower knows that each variety will only be a success when grown in a house by itself, so that it may receive the proper treatment. For the benefit of "Ohioan" and his fellow-sufferers we give the following directions: Early in July house the young plants of Maid of Honor on benches with three inches of good clay soil, thoroughly mixed with one-fifth part of well-rotted cow manure. The soil should remain loose until the plants are well started. Do not overwater at this time. Now, the benches being in proper condition, press or beat down the soil to about two and one-half inches in depth. Six weeks after the beating process apply a light top-dressing. When the plants are well developed, do not spare the liquid mulch. This rose, being a very strong grower and prolific bloomer, necessarily will need considerable nourishment. Grow the rose cool, with a night temperature of 52° to 56°. Give the house plenty of ventilation by means of ventilators opening from the ridge-piece. Grow the plants somewhat dry; do not keep the soil soggy and wet.

All fall we have been cutting great numbers of well-formed, beautiful rosy pink Maid of Honor buds from a five-bench house of 25x125 feet. And now, December 20, we are cutting from 400 to 700 buds from this very house daily, although in this locality we have had only two days of sunshine since Thanksgiving. Can "Ohioan" cut that many well-formed, finely colored Bridesmaids from a house of equal dimensions? We invite every one to come and look at our rose houses, and compare the growth, productiveness and fine shaped bud of Maid of Honor with those qualities of all other varieties. "Ohioan" surely had the privilege to communicate with us, as we are always willing to give all the information required.

HOFFMEISTER FLORAL CO.



A PHILADELPHIA FLORIST'S AUTOMOBILE.

Problems in Floralville.

"Well, what do you think of it?"

The rose grower, the private gardener and the oracle had just turned the corner by the club-room where stood the philosopher, the orchid crank and myself. It was club meeting-night just after Christmas and, the usual greetings over, Christmas experiences being under discussion, the philosopher popped the above query at the rose man.

"Oh," replied that worthy, as he blinked complacently behind the fragrant smoke of a "fifteen straight," "we had nothing to cut, all off crop and didn't cut half the stuff we ought to have done. But I suppose we've got to be satisfied. I've found it does no good to be kicking all the time."

"Huh," said the funny man who, accompanied by Mr. Cooney and the man hard of hearing, had just arrived on the scene, "I see you're wearing your pants outside your boots; that's a sign you're feeling amiable enough only you don't like to say it;" and added, as the laughter following this shot subsided, "Boys, I'll bet he's just been to lunch with his commission man. You can tell any time whether a rose man thinks he's making money or not by the way he wears his pants."

"Well," said the philosopher, "it appears to me that you make a grave mistake when you attempt to increase the price of flowers one or two hundred per cent simply because Christmas is coming soon. When the demand for any one quality or grade is greater than the supply then values on those things will advance of themselves whether it is Christmas or any other time, and so long as the demand stands that way you are safe to keep on and encourage the boosting, because that very fact indicates that you have the support of the buyers. But without those conditions this doubling up looks mischievous to me and expensive, especially to the cut flower interests generally. If I were a plant grower I can think of nothing that would give me greater encouragement than to see you flower growers carrying on just as you always do before the holidays."

"You're only talking foolish," retorted the rose man. "The only trouble is that we don't stand together. If all the Beauty growers, for instance, had got together before Christmas and said 'our wholesale price is to be $2 for top quality' and stuck to it, they'd have got it. You can make it $2 just as well as $1, if you go about it with any kind of system. Just look at the glass manufacturers; they get together and agree"——

"I wudn't thrust wan av ye peaches as far as I could see ye." He was a self-important little chap, was Cooney, wearing a pipe of prodigious size and as full of distrust of everybody else in the busi-

ness as he was of confidence in himself. "Look at the way ye played it on the jude over by Soonny Dell lasht winter whin ye inticed him into dooblin' up the price of violets, an' before ye'd lave go of him ye had the poor devvil himself doobled up like a cod in a pot. Not that the likes of me is sympathizin' wid any college graduate that puts kid gloves on whin he's pickin' violets."

"Cooney, you're just the kind of man that ought to join the club," said the funny man. "We need somebody to stir up the animals. Let me propose your name to-night?"

"Yer club's like Biddy McGlinchey's pocket, a recipticle for ivery ould rubbish. Ye have the jude in there wid his golf shirt an' all. An' look at the laddy-buck that shtarted the toney shtore on the avenue lasht year—the shtyle he put on, livin' at the Hawtel Gr'rand. An' he'd have his man come wid the carriage ivery day at tin o'clock an' dhrive him to th' office an' thin to th' bank an' thin back again to th' office an' his wundy lookin' like a dhream, all filled wid Beauties wid heads on thim like dooks' eggs. Oh, he was as foxy a bucko as iver carried an impoorted top coat over his ar'rm. Shure, your prices was niver too big for him. I gave him three mont's to live, but ye made him a thrustee or somethin' of the sort in the club in racog-nation av his su-perior pro-pinsity an' shtandin' in horti-culturism. Ye niver towld us how much he shtuck ye for whin he departed widout askin' yer lave, Mr. Specialmaid."

The rose man looked at Cooney as though he'd like to make a meal of him, but said nothing.

"I think you cut flower people are in more danger from the plantsmen than you realize," said the philosopher. "The retail dealers use the plant growers as a safety valve against any pressure you fellows may try to put on and they're 'getting there' more and more every year."

"Oh, that's all bosh," replied the rose grower. "What can you give to a lady that will be so acceptable under any and all circumstances as a bunch of fine roses or carnations? You can't kill the flower business. A lady can't wear a plant to the theatre and no plant, anyway, has half the sentiment that goes with a nice box of flowers. Say," turning to the plantsman, who had been silently enjoying the discussion, "how did you come out this Christmas?"

"Sold out of everything two weeks before and could have sold plenty more if I'd had them to sell."

"Then you were a fool not to advance your prices. When they want the goods that's the time to make them pay for them."

"And get the plant trade into the same bad habits as the cut flower trade? No, it won't go."

"That's all right about you commercial men," broke in the private gardener, "you have your own share of bad habits. Look at the stuff you bring in—all forced out and soft with steam and heat. Why don't you grow your plants slow and cool so they'll keep over night after you sell them? And then, there's lots of nice things you don't touch at all. Where are the grand old favorites we used to——"

"Come on and finish out that argument up here; we want a quorum," shouted the president-elect from the top landing.

"In my opinion we are the people," remarked the deaf man, as they trooped up the stairs.

"Ye're convinced of that, shure," replied Cooney," between puffs, as he struck his fifteenth consecutive match. "Ye're great blathers whin ye're outside, but whin ye get on the flure the par-la-mintry champeens'll do all the talkin' an' ye'll niver open yer mouts."

And Cooney was about right.

SANDY.

A Prize Chrysanthemum Design.

The accompanying illustration shows the design with which Otto Fehrlin won the first prize offered for floral work at the recent chrysanthemum exhibition at Galveston, Texas. Mr. Fehrlin exhibited in four classes and won the blue ribbon in each. To Mrs. Fehrlin is credit due for the tasteful arrangement of the large number of exhibits in the hall. The show made a profit of almost $500, which will be turned over to worthy charities.



A PRIZE CHRYSANTHEMUM DESIGN.

CARNATIONS.

SPORT OF FLORA HILL.

ED. AM. FLORIST: — Please inform me whether there is in existence a pink sport of Flora Hill with pure white edge?

F. L. S.

To the best of my knowledge there is no such sport, but it is not safe to bank on a sport from any variety as being the only one in existence. A. M. HERR.

TREATMENT FOR RUST.

ED. AM. FLORIST:—Having seen some remarks on carnation rust in your columns recently, I venture to give you some details of my experiences during the fall. I planted some Daybreaks and soon discovered they were badly affected by rust. The diseased foliage was removed until the plants almost resembled, in point of bareness, a turkey ready for Christmas dinner. One of my neighbors, however, informed me that he had cleared his plants of the disease by applying a strong force of water, and although opposed to my ideas in the matter, not caring what happened to the stock, I tried his plan with the result that after three applications the plants are all right and growing nicely. It is now a month since I applied the water. T. A.

TROUBLE WITH EVELINA.

ED. AM. FLORIST:—I have lost about half my stock of Evelina and would like to ascertain the cause. This variety is in the same bench with Flora Hill and Lizzie McGowan, both of which are doing well. The soil was prepared from bluegrass sod and is of medium quality, a small quantity of decayed manure having been added. Good care has been taken of the plants. They start to die off by the foliage at the bottom turning yellow. J. C. S.

Evelina seems to be almost without vitality and all that I have tried or seen are in the same condition as those of the



MIGNONETTE GROWN UNDER GLASS.

inquirer and about the only thing he can do is to use the space occupied by them for some other purpose. It seems a great pity that this variety has proven such a failure, as it has many good points, but the stock seems to be so infected with bacteriosis that it is impossible to get it to live. A. M. HERR.

ROOTING CUTTINGS.

Varieties which make slow growth or are inclined to come into bloom late can be propagated to advantage this month. Quick growers and early bloomers may be left until February or even March. Any clean sand will do as a rooting medium and if you have such sand there is no use bothering with anything else. I have considerable trouble in getting good sand and have been experimenting with other materials. One of these has been jadoo and with it I have had excellent results but found it too expensive.

Over a year ago I recommended jadoo as being a good thing for cuttings but in the spring I received a demand for the replacing of a number of cuttings that had been lost by a grower who used it on my recommendation; since then, I have not recommended anything new, except for trial. To any one having fairly good success with sand my advice now is to experiment in a small way with any new material before risking many valuable cuttings in it.

Last season I experimented extensively with "tropik fiber" and this season am growing nearly all of my cuttings in it; it is inexpensive, for I have found that I can mix it with an equal bulk of ordinary soil; a ton of fiber mixed with soil fills a bench 5x90 to a depth of four inches. The soil should be free of humus or fungus-breeding material and it and the fiber should be sifted through an ordinary sieve, so as to mix thoroughly. Prepared in this way it makes a very light and porous material. When we are ready to put in the cuttings it is watered lightly and the cuttings can then be inserted without the use of any dibber or knife; then a heavy watering is given, as the compost absorbs a great quantity of moisture before it is thoroughly soaked.

The selection of cuttings is a matter of taste; one grower prefers those from the flower stem while another wants them from the base of the plant. The best rule to follow is to take such cuttings as have given you good results before. One very important rule, however, is to take no cuttings from a plant that shows the least sign of stem rot or bacteriosis, the latter being especially a hereditary disease. Some growers trim their cuttings down to almost a stub; others trim nothing at all from them. I take off such leaves as would get under the sand and clip only an occasional lanky fellow at the top.

Keep the cuttings at about the same temperature in which the stock plants have been growing, or possibly 5° lower, with the bottom not over 5° warmer than the top of the bench. Shading can be done with whatever is handy, although muslin is both the best and the cheapest. The best results will be obtained by keeping the cuttings pretty dark up to the time they begin to callus. As soon as they begin root formation they may be gradually inured to light so that by the time they are ready to take out they have had the full sun for three or four days. Up to the time the cuttings begin to root the bed should be almost wet, but then the roots must be given a chance to harden enough to stand transplanting. A cutting from pure sand should be taken out as soon as it is well rooted but in the mixture I use the soil helps to feed the plants as soon as roots are formed and there is no particular haste in getting them out.

It is far the better plan, no matter what material you use, to have it fresh for each batch of cuttings. One of the experiment stations has demonstrated that stem rot is worse when sand has been used several times for propagating and almost any florist who has kept his eyes open can vouch for the correctness of the assertion. As long as ten years ago I made the statement that stem rot had its origin in the cutting bed. I do not mean to say that stem rot cannot come from any other cause, such as growing the plants on the same soil year after year, or the use of soil that is soured by constant manuring, but there is no more sure way of getting it in quantity than by using sand filled with fungus.

ALBERT M. HERR.

CARNATIONS REGISTERED.

By Philip Heilig, Franklin, Pa.—Christmas Rose, a rich cerise, flowers three to three and one-half inches in diameter and two and one-quarter inches deep, fragrant and slightly fringed; stem long and strong; a strong, healthy grower not subject to rust; blooms from December until October. J. E. Sibley, a rich maroon, medium to large flower, strong calyx and finely fringed; a free bloomer on long, slender, stiff stems; foliage narrow, a dark bluish green and healthy; can be grown without support and planted closely. Dorothy Forbes, light pink, a shade darker than Daybreak; flower well built in the center; round petals, very large and lasting and with strong calyx; a free, continuous bloomer and strong grower with light green foliage.

By Thomas Capers, Wellesley Hills, Mass.—Conquest, white, a cross between Daybreak and Mrs. Fisher; very double flowers measuring three and one-half inches on an average; strongly fragrant; handsome grower, extraordinarily profuse in bloom, never being off crop throughout the season.

ALBERT M. HERR, Sec'y.

Mignonette Culture Under Glass.

Having been often asked how we get our mignonette to produce such large spikes all through the winter season I have thought a few remarks on its general culture may be of interest to some of your readers. The accompanying illustration from a photograph recently taken is a fair sample of the character—foliage, length of stem and size of flower—of the material we are daily sending to market. The spikes would get much larger and longer if allowed to remain on the plants; but most of our customers prefer to have it in this stage,

ks by changing the water daily it can be kept for two weeks or more, during which time it develops much longer spikes.

Mignonette requires a good, rich loam, to four parts of which one part of well decomposed manure is added, mixing thoroughly. If grown on a raised bench the soil should not be less than six inches deep, but it does best on a raised bed of soil with plenty of rubble for drainage. Here we employ six to eight inches of compost as above. The surface of the soil, when the bed or bench is ready to receive the seeds, should not be more than three feet from the glass and it should be pressed firmly and evenly. With a walk on either side the beds or benches should not exceed four feet in width; with a walk on one side only they should not exceed two feet nine inches in width, otherwise it will be difficult to reach the plants for necessary disbudding, etc., later on.

The time at which the seeds should be sown depends on when the flowers are needed. We usually make two sowings, one about August 12 to 15, the other ten days later; but the ten days difference at sowing time make a difference of thirty days in the time of cutting the flowers. If the flowers are wanted from December 1 onward seeds must be sown on the earliest date given. In sowing the seeds take a triangular piece of wood equal in length to the width of the bed, press one edge into the soil and thus make drills half an inch deep and sixteen to eighteen inches apart. In these drills drop from four to six seeds at intervals of about twelve inches, and cover carefully and firmly with a little fine soil. Water thoroughly and keep the house shaded and a little close until the seedlings are well above ground.

At this stage the shading may be reduced, giving all the air possible day and night. Water only when the soil is on the dry side, giving enough at each watering to thoroughly moisten the bed, and allow it to go dry again before giving more. When the plants have made four leaves thin the clusters out to one plant each. This should be done when the soil is nice and moist, potting and placing in a shady house some of the plants taken out to fill up vacancies caused by death or accident. After this the principal requirements are watering when necessary, giving all the air possible and keeping the beds free of weeds. An occasional very light stirring of the surface soil between the rows will prevent the weeds from getting a start.

By September 1 the plants will begin to need some support, as all the first buds on leading shoots should be pinched out and the side shoots encouraged to make all the growth possible. These, as they start out from the plants, should be supported so that they make straight, upright growth. For supports we have found nothing better than wire stretched tight the length of the bed between each line of plants and across the bed on either side of the rows we stretch two-ply jute string. This forms a square of about twelve inches for each plant, leaving a little space for cleaning, watering, etc., between each row. The first wires are placed about seven inches above the soil, the next series six to seven inches higher and so on until the desired height is attained, care being taken to keep each plant as nearly as possible within its allotted space, thereby securing straight stems.

It is absolutely necessary to keep butterflies out of the house or the caterpillars will soon destroy the crop; for this purpose it is best to stretch pieces of muslin or mosquito netting over each ventilator immediately the seed is sown, also over the doors; this costs but a trifle and is effectual. As soon as cool weather comes and it is necessary to close the ventilators at night, the average night temperature should be 40°, with all the air possible by day. The side shoots or laterals on all blooming spikes should be regularly removed as fast as they appear, but this must be carefully done in order to preserve the main foliage on the spikes will look bare when cut, a condition which spoils their sale. JOHN N. MAY.

Helpful Reminders.

Just now, while poinsettias are in popular demand, is a good time to inform you of the most simple and satisfactory method of growing a stock for next season. After the heads are cut place the plants under the bench of a warm house and give but little water until warm weather, when you can afford them bench room; then water freely to induce fresh growth. In June you will have good material for cuttings. The young growth should be cut in sections of three leaves each, with the joint of the lower leaf close to the end, placed in sand and kept moist; they strike root readily. They should be kept on the shift as rapidly as the roots reach the edges of the pots until the 6 inch size is reached; by that time the weather is so cool as to require artificial heat and care should be taken to maintain a temperature of from 60° to 70°. As the pots fill with roots the red bracts begin to form and come in much better and easier and earlier than where hard-wood cuttings are employed. Plants grown in this way give much better satisfaction than those grown on benches.

Longiflorum lilies should be in position now for Easter blooming. They should be in 5 or 6-inch pots, according to size of the bulbs. Place them on benches not more than five feet from the glass; the pots should be about five inches apart and filled in between with sphagnum moss. They should have a sprinkling mornings to keep the foliage clean; go over them carefully each afternoon and water thoroughly any that may be partially dry, but do not pour water on all of them. The temperature should not be above 50° at night for the next month; 60° during the day will do no harm. No green fly should attack such plants, but if they appear destroy them at once with tobacco extract. Longiflorums grown in this way come clean, strong-stemmed and uniform.

There are quite a number of new varieties of geraniums, roses and carnations on the market this season, each one advertised as excelling all others. You cannot afford to ignore any of them, for if they are half what is claimed for them their virtues will not disappear in a single season. Although the disseminators give such glowing accounts in good faith, you cannot be sure what will be your measure of success with them. Give them a careful trial; a dozen plants will serve the purpose. With such as prove valuable you can go in heavier another year. If your dozen plants are a failure a few hundred or a thousand would have been a greater failure, and there have been many instances where greatly lauded introductions proved useless for general purposes. C. B. W.

Rochford's Institute.

To most horticultural pilgrims to the old world, one of the objective points is the truly great establishment of Rochford. It is the greater perhaps because it is the creation of the man himself, and typical of his energy, foresight and practical business ability. The huge quantities produced in this establishment of grapes, tomatoes and cucumbers alone, to say nothing of many acres of one variety of palm, such as may be seen here under glass, makes one wonder where it all goes to and think that truly the British public are lovers of horticulture and its best products. The illustration reproduced herewith gives a good idea of the way Mr. Rochford houses and provides for the welfare of his men, for not only are they well lodged, better perhaps than in most ducal gardens, but they are also provided a restaurant, library, concert and lecture halls, and we know that his men are among the best paid, if not the best, in any commercial establishment around London, showing that as a mat-



ROCHFORD'S INSTITUTE.

ter of business it pays to get the best and treat them well in order to get the best results.

Mr. Rochford is not alone in this line; other great firms are doing as much, notably that of Sutton, where a similar establishment is maintained for the employes, even their spiritual welfare being cared for in the case of those who wish to attend the classes. A fine gymnasium is also maintained by the latter firm. Let us hope that the time may come when these examples will be followed on our side. When this is done it will be done equally well no doubt, but at present we are unaware of any such attempt to provide for the "men behind the guns." E. O. ORPET.

Allamanda Williamsii.

This variety of allamanda makes one of the best pot plants that I know of for either greenhouse or house decoration in the autumn, though for the latter use the plants should be frequently changed; I find that by doing this they can be used three or four times. They are of comparatively easy culture, the most important point being to give them plenty of sun when growing and a very little shade when they are in bloom—a shade that can be put on in the middle of the day or while the sun is on them and then taken off. I grow them in summer in a rose house, which gives them the ideal temperature.

The plant in the accompanying illustration was one of a lot rooted in October of 1898, in a warm plant house, and potted as soon as rooted in 3-inch pots in a mixture of loam, leaf mold and sand, with rather more loam than leaf mold. They were shifted along until they were in 8-inch pots with a little richer compost than that used at the start.

One of the best features of this variety is that it is a bush plant, but it has a tendency to roam if not well pinched. This pinching is very important to get plants as dwarf as the one in the picture, it being but eighteen inches high, pot included, and two feet through. Of course the old plants can be rested and grown on the next year and if well pinched would make fine specimens, but I have not the room to spare, so root some every season and find those in 8-inch pots the best suited to my purpose.

The delicate perfume of the flowers enhances its usefulness in no small degree. The old climbing varieties, though greatly admired, are really of little service except in the greenhouse, but this, blooming when so dwarf and at a season of the year when pot plants are scarce, is a great acquisition to our list of flowering pot plants. W. DOWNS.

WITH THE GROWERS.

ROBT. CRAIG & SON, PHILADELPHIA.

The establishment of Robert Craig & Son at 60th and Market streets, which, as is well known, is under the management of William Paterson Craig, the young and energetic president of the American Carnation Society, was the Mecca of many visitors on the week preceding Christmas. The carnations here were in grand condition and the flush of the crop being on, they were certainly worth going a long way to see. House after house in the pink of condition met the gaze of the visitor, and the flowers were as thick as a field of wheat. Here a gorgeous expanse of pink; there a sea of scarlet; in another place a field of purest white. And such flowers! In nearly every case, big robust fellows, three to three and one-half inches in diameter and holding themselves with heads erect like soldiers.



ALLAMANDA WILLIAMSII.

Melba was looking well. This fine variety seems to have improved since last year. The plants are cleaner and it seems to flower more freely. The flowers of this variety averaged two and one-half inches, which is small compared with some sorts; but there are none of the big fellows that have the exquisite color of this charming sort.

A small batch of Mrs. James Dean was noticed, but none of the plants were in flower. It appeared to me that Mr. Craig was rather non-committal about this variety, which led me to think that he feared that there was not much in it.

Leslie Paul, one of the new California varieties, is a fine thing in cerise; but it is a rather shy bloomer and for that reason, as Mr. Craig expressed it, "Leslie won't trot."

Ethel Crocker, the Californian, which has the field all to herself among the good sorts which have come to us from the Pacific slope, is as promising as ever. Mr. Craig told me that just previous to my visit he had had a call from C. W Ward, the carnation expert, and he was so well pleased with the appearance of the plants, their vigorous, branching habit and abundance of new shoots indicating enormous cropping qualities, that he increased his already large order for cuttings forty per cent on the spot. Mr. Craig justly considered this a good endorsement of his claims for this newcomer.

A small lot of Maud Adams was seen. It seems to be a free flowering variety, but is too small. Last season there was a controversy as to whether this was identical with Richmond. Mr. Craig says the question is not now a burning one. It may be called Manayunk or Kalamazoo, or any old name. It is not in the race, which is a pity seeing that it bears the name of the charming lady it does.

Olympia was in fine form. It has a great stem and flowers three and one-half inches across; an exquisite variety and very promising.

In one corner was a little lot of Edna Craig, healthy and as charming as ever in form and color, which brought up pleasant reminiscences of eight or nine years ago. If the stock had only kept healthy this would undoubtedly have been a standard variety, and if it keeps as free from disease as this little lot now is, it will be worth growing even to-day, if only for its exquisite form and color. The stock here mentioned was accidentally discovered by Mr. Craig up in the neighborhood of Pittsburg about a year ago.

For a lightly penciled white variety, J. Whitcomb Riley is undoubtedly the leader, although it seems a pity that Lily Dean, which in my opinion was the more attractive in this class, has had to be discarded.

Agnes Shellem, the new white from which great things were expected, is not doing so well here. It is a fine thing, very large flowering and vigorous, and good in every way except that they cannot grow it here on account of its bursting. I do not know whether this is the case elsewhere, but it has certainly badly bursted here.

On a bench of seedlings were noticed one or two promising sorts which are being taken care of for future experiment, among them a good scarlet, a good white, a yellow, and a very promising pink of Mr. Shellem's. The color of the latter is something out of the ordinary.

Gen. Gomez and Gen. Maceo were in strong force and carrying everything before them as fine croppers and good all-around sorts of their color. Mr. Craig declares that Maceo gives more flowers to the square foot than any other variety grown to-day, which is certainly a very emphatic endorsement.

A bench of indoor America looked fine. This lot was even ahead of Crane from outdoors. America, though criticised as to color, brings as good a price as any of them on the market. The flowers of this lot averaged three inches in diameter and seemed very free. The bench bottom was

of brick tile, which probably helped to the good showing made in this instance. It was stated that no single flowers had been seen here in this variety, although this complaint has been made elsewhere.

There was half a house of G. H. Crane, which is a grand good thing in all particulars. It is generally considered to be a better color than America, and it is possibly, taking it all in all, the best red grown today.

Flora Hill looked pretty good but a little droopy as usual. The White Clouds were better.

Jubilee appears to be a dead one, or to put it in the picturesque phraseology of Mr. Craig, "Jubilee took to the tall timber when Crane appeared."

Mrs. Frances Joost is here looking magnificent, as is also Mrs. Bradt. Both are grand as to size and very vigorous. The stems of the latter are not over twelve inches, but the succeeding crops will show more stem.

Asked to name the big five of this year, Mr. Craig gave the following: Ethel Crocker, G. H. Crane, Gen. Maceo, Gen. Gomez and White Cloud.

Ante-Christmas prices for the best flowers were 12½ cents, which although not just Mrs. Lawson's figures, is quite respectable, and is mentioned with a satisfied intonation which indicates a slight profit over the cost of production.

In the propagating houses the men were busy at work putting in carnation cuttings in the now famous rotten mica rock which gives them 100 per cent strike every time. There were 40,000 Ethel Crocker in one batch, with the others in proportion.

W. P. Craig certainly deserves credit for the fine condition of his establishment and I am sure all will join with me in congratulating him on this pleasant state of affairs. G. C. WATSON.

Chicago.

THE NEW YEAR STARTS WITH A DULL WEEK.—SHIPPING ORDERS ALL THAT PREVENT A GLUT.—POOR STOCK ACCUMULATES.—SUPPLY RAPIDLY INCREASING WITH BRIGHT WEATHER.—SCHUBERT REVIEWS THE YEAR.—AMLING IN HIS NEW QUARTERS.—BRANT & NOE TO BUILD.—A GENTLEMAN FROM INDIANA.—JOTTINGS OF A VARIETY OF INTERESTING THINGS.

This has been a dull week in the local market and the steady out-of-town demand for material for decorations and mortuary work has been the only thing which has prevented a serious overstock. The New Year's trade was good, Bassett & Washburn reporting it unprecedentedly heavy, but since then the city retailers have done nothing and the result has been that first grade stock has been all that has had a quotable price; as is inevitable at such times cheap grades have been cheap indeed. Beauties are just beginning to come in and should the present remarkably prolonged period of bright weather continue the crops will be on in short order. The same sun is bringing out Brides and Bridesmaids in increased quantities and the former hang fire seriously. The production is now very generally of good quality. Carnations are also in increased supply but are not so difficult to move, particularly the bright colored sorts. There have been few too many violets, although on one or two days there was a surplus, and bulb stock is not the glut that it was. Of course under such conditions, prices took a tumble. For good stock $6 to $8 has been a fair rate for roses and $2 to $3 for carnations nearly all the week. Just what to look forward to is hard to predict; much depends on the weather. Tulips are in but are not received with wild acclaim.

In a review of the past year the *Record* presents the following from John C. Schubert as representative of the florist trade:

In common with other lines of business, florists have shared in the prosperity which has marked the year 1899. This means that there has been a marked increase in the volume of business done over that of 1898. In all branches of the trade, including growers, jobbers and retailers, the business done has been quite satisfactory. The feature of 1899 was the fact that many times during the year the supply of flowers was not equal to the demand. At such times prices of course ruled high, and in the main were satisfactory for the entire year. During the season choice flowers have been scarce, owing to unfavorable weather for cultivating and developing the highest-prized specimens of floral beauty. The grower may control temperature, but he has not yet discovered an artificial light under which flowers can be grown as successfully as under sunshine. Floriculturists have added many new varieties during the year, many of which have become favorites with the flower-purchasing public. As a flower market, Chicago ranks second to no other city. The steady increase of the trade for the last few years is an indication of the taste of the Chicago people in this direction. The outlook for the coming year is of the most encouraging nature. Dealers generally are looking forward to an increased business during the year 1900.

E. C. Amling is nicely domiciled in his new place at 32-36 Randolph street and, although the fixtures are not yet all in place, the improvement over his former quarters is very marked. He has considerable room to spare and it is not unlikely that one or two growers or others may go in with him. Mr. Amling's removal from 51 Wabash leaves that floor entirely in the hands of the specialists, Wietor, the Reinbergs and Poehlmann, George Reinberg having started in auspiciously in the vacated room.

Brant & Noe have caught the building fever and Forest Glen will shortly be the scene of operations which will double the present range. The details of the plans have not yet been decided upon but from 25,000 to 50,000 feet of glass for roses will go up. Damm Bros. are also among those who will build in the spring; they have bought the glass for a 150-foot house.

Myer Heller, of the South Park Floral Co., was up from New Castle the other day ready to place an order for 1060 boxes of glass. Mr. Heller is more than satisfied with Christmas profits and proposes to be able to take full advantage of the demand for Beauty next year by increasing his plantings from 4,500 to 20,000.

George N. Worth, manager of the Vermont Fern Co., of Barre, Vt., is in town in the interests of his firm. Mr. Worth informs us that it is his intention to open a branch office in this city for the exclusive sale of hardy cut ferns at wholesale.

Kennicott Bros. Co. state that 1899 showed an increase of twenty per cent over 1898 in the amount of their sales, making the year far the greatest on record. December was a "corker."

Geo. Reinberg is sending a great many very good Flora Hill carnations to his new wholesale house. He is shipping considerable quantities of cuttings.

A. G. Prince & Co. will be in with Harrisii in a week. Last year they had them in November and held a virtual monopoly of the Christmas market.

Geo. F. Allen, who has opened a retail store at 2138 Michigan avenue, reports an excellent trade thus far.

Bassett & Washburn have commenced cutting smilax from the big house erected this season.

Peter Reinberg turned on the current in his new system of electric lighting on January 2. It is a great thing for the big range.

W. N. Rudd's home was burglarized one evening early in the week; a pocketbook and jewelry are missing.

A. Lange has closed a prosperous year with a present from the stork of a big baby boy.

Visitors: C. B. Whitnall, Milwaukee; L. H. Read, Grand Rapids, Wis.

Boston.

FATIGUES OF CHRISTMAS ARE FORGOTTEN.—A QUIET NEW YEAR'S.—THE MARKET WELL CLEANED UP.—QUALITIES IMPROVE WITH WINTER WEATHER.—BULB FORCERS MAKE RESOLVES.—LAWSON CARNATION STILL POTENT.—OLD ROSES WANTED.—VARIOUS JOTTINGS, PERSONAL AND OTHERWISE.

Boston florists have nicely recovered from the fatigues and perplexities of the Christmas season and left over stock has been either disposed of in some sort of trade or deported via the dump wagon; the ground is now cleared for a steady winter business. New Year's came in with a lively snow storm and, winter having apparently taken hold in earnest, we may look to see receipts diminished, quality improved and prices maintained generally. New Year's means nothing to Boston florists excepting the duty of sending out and of receiving due bills, for the event is not celebrated socially as in New York, hence there are no special calls for flowers, and the annual coupon clipping and collection of dividends, which some good people indulge in, is a process as yet unlearned by the Boston florists.

Carnations are, as might be expected, improving in quality and many fine lots are seen at the wholesalers. Roses, too, are beginning to run in finer grades. Violets remain unaccountably dull and all bulbous stock moves very sluggishly. The good resolutions made at the beginning of this New Year by the bulb forcers to put in only about one-half the quantity of white flowering material another year is most commendable and it is to be hoped that it will not go the reputed way of most New Year resolves.

The Gardeners' and Florists' Club met on Tuesday evening and voted to suspend active operations, the next regular meeting to be held the first Tuesday in January, 1901, and special meetings to be called at the discretion of the president. Robt. Cameron, the president-elect, having declined to serve, W. H. Elliott was re-elected for the ensuing year.

The Lawson carnation still succeeds as a potent attraction in the windows of Thos. F. Galvin, for although the sensational interest of last year is lacking, yet the wonderful brilliancy of the display of this sturdy flower in masses is bound to attract, whether advertised or not.

Norton Bros. report a very decided fancy on the part of their best customers for the old-fashioned small rose buds, such as Bon Silene, Isabella Sprunt, etc., and have been doing quite a lively trade in these favorites of by-gone years.

James Comley exhibited to an admiring group at the last meeting of the Horticultural Club a branch in flower of the rarely-seen Stenocarpus Cunninghamii.

Jas. A. Penman is sojourning in Boston at present and once more displaying his natural aptitude as a book-seller. He reports a flattering reception to the volume which he is introducing.

Warren Ewell's regular daily trips with

bulbous stock blooming in pans have begun. He was in at Christmas with some colored tulips that were excellent considering the season.

W. W. Edgar shows his visitors, with much pride, the finest stock of Acacia armata ever seen in this neighborhood, in training for the Easter demand.

J. M. Cohen, the Bosworth street wholesaler, reports a good run of country shipping orders during the past week.

Welch Bros. are receiving Bon Ton carnations that are dazzlers.

Chas. Fohn announces his intention to give up his Back Bay store.

James Rough, our naturalist florist, took twenty-three firsts and seven seconds out of thirty-two pigeon prizes at Worcester recently.

The prize schedule of the Massachusetts Horticultural Society for 1900 is nearly ready for distribution.

Philadelphia.

NEW YEAR'S TRADE PROVES A SURPRISE.—A RUSH AT THE LAST MOMENT.—BEAUTIES SCARCE. — PLANT BASKETS IN FAVOR.—ENDURANCE OF GLOIRE DE LORRAINE. — LONSDALE'S SPORT THE BEST SELLER.—ROBERT CRAIG PREDICTS EVEN BETTER RESULTS NEXT YEAR.—GRAHAM HAS MANY FINE ORDERS.—MEETING OF THE CLUB.—FACTS ABOUT CARNATIONS.

Many thanks, George, from yours truly and the rest of the craft, who so thoroughly enjoyed your very interesting letters.

The New Year's trade rather took the boys unawares, as not many advance orders were given, but the business developed into a rush before the middle of the day and all the good roses, particularly Beauties were cleaned up in a jiffy and no amount of telephoning could find any more, as everything had been cut close. The demand was mostly for boxes of choice cut flowers and baskets of plants or nice specimen azaleas or begonias in good flower. We must say something more of this beautiful plant, which was seen at its best at Christmas. There has been much said about the frailty of Gloire de Lorraine, but our experience is that out of our 200 plants, including Mr. Lonsdale's sport, sold during December, we have yet to hear the first complaint. Mr. Lonsdale's light pink sport proved the best seller as, standing side by side with the old variety, it was invariably selected where only one was taken. His plants were a mass of bloom from the very edge of the pot up and were, as one customer put it, "too beautiful for words." Robert Craig & Son's stock was also very well grown, having been given plenty of light and air. The flowers were hard and firm and stood well above the foliage, which could scarcely be seen. It seems there is one great enemy of this plant and that is green fly, which if it gets a start cripples the buds so that they do not open. That there is a great future for this plant there is no question. While it propagates easily it requires careful management during summer, but when well grown it will pay handsomely. Mr. Craig says that next winter's plants will far surpass those of this season, as he is certain it can be done much better.

Hugh Graham is now loaded up with orders for large dances and balls, most of which are held in Horticultural Hall. One very elaborate affair last week, was fashioned after an Italian garden, with its terraces, statuary, trimmed trees, etc., all well carried out On the terraces quite a number of well grown Begonia de Lorraine plants were used with good effect and the same plants were used a week later for another ball, showing that when well grown they will stand considerable usage and still remain presentable. At this second function over 2000 strings of smilax were used to canopy the ball room.

Prices have fallen from their holiday pinnacle. The best Beauties are now $9 per doz. Teas, select, $12 per hundred. Carnations are weakening in price but the quality is now first-class; $2 to $3 is the price for select stock, with a few of the fancies ranging from $4 to $6. California violets 60 cents to 75 cents per hundred; Doubles 75 cents to $1.50. Lily of the valley, $3 to $4. Mignonette $2 to $4. Hyacinths for what you like to offer.

The January meeting of the Florists' Club last Tuesday evening was interesting, particularly to carnation growers. Mr. Herr's paper on latest facts about carnations did not belie its name and was prepared, as all Mr. Herr's essays are, from facts within his knowledge and experience, which makes it valuable to the carnationist. He says the ideal white has not arrived as yet and prefers Crane above all the reds. Wm. P. Craig says that America does best with him and Crocker is doing even better than was expected of it.

John N. May, of Summit, exhibited some very handsome Olympias, which were pronounced by all present as the finest thing in striped carnations they have ever seen.

A "ladies' night" entertainment is to be given the latter part of January under the management of John Westcott, which means that everybody present on that evening will have a good time. K.

Detroit.

BEST HOLIDAYS ON RECORD.—POPULARITY OF FLOWERING PLANTS IS PROVEN.—NEW YEAR'S BRINGS CUT FLOWER BUYERS.—BREITMEYER PUTS UP A FINE DECORATION.—A NEW RETAIL STORE.

The holiday season just ended was certainly the best ever experienced in this city; the increase over last year is variously estimated at from ten to fifteen per cent, but it is safe to say it was fully twenty per cent better. The popularity of flowering plants and dainty arrangements of baskets with plants was shown more decidedly than ever before. American Beauties and violets sold well, and of the latter the supply was far short of the demand; good carnations of the brighter colors were also scarce, but the quality of the available stock was generally good. Bulbous stock was plentiful enough, but the supply of good roses was not sufficient, though heavy shipments were received from outside markets. Ground pine and holly, which was all of good quality this season, sold well at better prices than last year. New Year's day brought out the buyers, who invariably sought for cut flowers and cleaned up all the stock available and at good prices.

Breitmeyer had a decoration January 2 which was the most extensive as well as the most novel and beautiful work of the kind ever done here. It was for a social event in Strassburg's hall and the whole ceiling was screened with wild smilax, studded with groups of pink and white artificial flowers and clusters of electric lights. The end of the hall was banked high with beautiful Christmas trees, in the center of which a large electric star blazed, with garlands of laurel reaching from it to the ceiling. Along the sides of the hall on the floor was a row of bay trees, Japanese arbor vitæs, palms and box trees. On the panels of the galleries on both sides wild smilax almost completely covered the woodwork and was brightened with large bows of pink ribbon and electric effects. An open circle was formed in the center of the floor with rustic fence entwined with wild smilax and laurel under an immense circular canopy of the same materials. A fountain with gold fish in mid-winter was a feature of the decoration which, for general effect, it would be difficult to improve upon and which showed clearly the great possibilities of wild smilax for such work.

Chas. Scheible, for many years with B. Schroeter, has opened a store at 302 Woodward avenue. He has a host of friends who wish him success in his venture. J. F. S.

Los Angles.

SOUTHERN CALIFORNIA RECEIVES A CHRISTMAS GIFT.—RAIN OF GREAT VALUE.—TRADE EXCELLENT.—HEAVY CALL FOR NURSERY STOCK.—GRAPES TO BE GROWN EXTENSIVELY.—GOOD ROSES AND CARNATIONS.—PERSONAL DOINGS.

As I write this letter Southern California is receiving a most acceptable Christmas gift. It comes from the rain-god and nothing could be more welcome. Since I have known this state the beginning of no season has been more auspicious. In a measure the absence of frost is a drawback to the florists because of the abundance of flowers in everybody's garden, yet trade is reported to be very good. This trade is to a large extent funeral work. One leading florist last evening reported having sent out forty funeral pieces during the day.

Since the outlook is so favorable, and owing to the good prices received for fruit last season, the demand is very heavy for some varieties of fruit trees, apricots, for example, and prices have advanced 300 per cent, with the supply inadequate at that.

There is a renewed interest in grape culture in the southern part of the state. Some years ago disease destroyed many vineyards and the industry waned, but last week a company was formed with a capital of $150,000 which will plant 2000 acres to grapes for wine making.

At present nearly all the roses grown outside for winter blooms as suffering from a severe attack of mildew. A notable exception are those sent in by R. Leithead, of the Raymond Nurseries, South Pasadena.

Morris Goldenson made a ten-strike when he bought the entire crop of the Vawter carnation gardens in South Santa Monica. They are among the best carnations coming into the city.

Thomas Patch, who has been in charge of one of the departments of the Ingleside Nurseries, at Alhambra, is about to embark in business for himself near Long Beach.

J. G. Morley, who recently returned from the Klondyke, and Herbert George, for some time past employed by Henry Feder at Redondo, have formed a partnership and intend growing flowers and vegetables.

Henry Christensen, senior partner of the old firm of Christensen & Huston, is sojourning in Old Mexico. His family having recently removed there it is presumed he will locate permanently in that country. D. R. W.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THE Chicago & Alton railroad has taken up the flower bed idea.

GROWERS will do well to remember that the date of Easter is April 15.

INDICATIONS point to an unprecedented amount of greenhouse building in 1900.

WE are pleased to note that the general press is out after the scalps of the purveyors of green carnations.

THE premium list for the Buffalo meeting of the American Carnation Society has been mailed to members; others interested may obtain copies by addressing Secretary Albert M. Herr, Lancaster, Pa.

A WRITER in the *Garden* (English) recommends propagating Begonia Gloire de Lorraine from the leaves, stating that plants thus obtained break more freely, are less apt to damp off and do not run to flower so quickly as do those from cuttings.

THERE will be a two weeks' school of horticulture at the Rhode Island College opening February 26, 1900. Special attention will be given to the study of soils, fertilizers, propagation and spraying. Particulars may be obtained of Prof. Fred. W. Card, Kingston, R. I.

NOW that the poinsettia is popular with a large number of our florists, it is interesting to learn, from the *Gardeners' Magazine*, that Mr. Buist, of Philadelphia, was the first to apply this name to the plant, calling it Euphorbia Poinsettiana, after the discoverer, Mr. Poinsette. It was also through Mr. Buist that the plant was introduced to English gardens about 1834.

Correction.

In last week's Philadelphia notes Habermehl was given credit for the Clover Club decorations for the Irving reception. It should have been Graham. The complimentary remarks apply equally to the latter firm, and if Mr. Graham will kindly excuse us this time we will try not to let a slip like that occur again. G. C. W.

Society of American Florists.

EXECUTIVE COMMITTEE APPOINTMENTS.

President Wood has appointed Messrs. J. D. Carmody, Evansville, Ind.; J. F. Sullivan, Detroit, Mich., and A. B. Cartledge, Philadelphia, Pa., members of the executive committee to serve for a period of three years from January 1, 1900. WM. J. STEWART, Sec'y.

New Houses of E. M. Wood & Co.

We are indebted to E. M. Wood & Co., of Natick, Mass., for the following particulars of the two 700-foot houses being erected for this firm by Lord & Burnham, plans of which were reproduced in our issue of December 30: "The two new houses being erected by us are each 700 feet long, three-quarter span, with glass walls on the side four feet high and rear walls five feet high. The houses are connected at center and one end by glass passage-ways. The sashes are hinged upon the purlins and open from the top. The houses are built upon our most modern plan, the ridge being placed to the rear as far as possible to avoid the throwing of any shade upon the plants. The houses are twenty-one feet wide and adapted to either solid beds or benches. It is intended to have the ventilators operated by electricity."

Greenhouse Building.

Chicago, Ill.—Damm Bros., one 150-foot house.

Richmond, Ind.—E. G. Hill & Co., one house.

Birmingham, Ala.—G. R. Currey, four houses 20x100.

Forest Glen, Ill.—Brant & Noe, range of rose houses.

North Rose, N. Y.—Peter Salter, one house.

Lewiston, Me.—John Hibbert, house 22x100.

East Mansfield, Mass.—J. Duston & Son, one greenhouse.

Milford, Mass.—Chas. Metcalf, one house.

West Derry, N. H.—Mrs. Cullen, one carnation house.

Publications Received.

ELEVENTH ANNUAL REPORT STORRS EXPERIMENT STATION.—The second part of this report is devoted to the consideration of subjects of purely agricultural interest.

TWELFTH ANNUAL REPORT RHODE ISLAND EXPERIMENT STATION.—Some ten of the 222 pages in the report relate to horticultural subjects, among which are "Renovating an Old Apple Orchard," "Blooming Period of Fruits," "Crosses of Sweet and Sour Cherries" and "Carnation Stem Rot."

FOURTH REPORT ON JAPANESE PLUMS.—Bulletin No. 175, Cornell University Experiment Station.—In this bulletin Prof. Bailey attempts to correct the nomenclature of these fruits, carefully describing and discussing the qualities of a large number of varieties. The bulletin contains some nineteen excellent plates, illustrations of varieties discussed. Clear, plain English, not too technical, an abundance of good illustrations, good paper and good printing combine to make everything coming from Prof. Bailey's department very attractive.

COMMERCIAL VIOLET CULTURE.—*By B. T. Galloway.*—A. T. De La Mare Printing and Pub. Co., New York.—A long-felt want is supplied in this book on violets and their culture. Prof. Galloway has given these plants much attention during the past few years, growing them as a strictly commercial enterprise, and his experiences as here set forth are well worth the attention of all growers. All phases of culture and marketing are treated fully, plainly and practically. The book in itself is quite attractive, well printed and appropriately illustrated.

Catalogues and Cut Flower Price Lists Received.

Colorado Seed House, Denver, Colo., seeds; T. W. Wood & Sons, Richmond, Va., seeds; Iowa Seed Co., Des Moines, Iowa, seeds; Texas Seed and Floral Co., Dallas, Texas, seeds, plants and bulbs; Silas Wilson, Atlantic, Iowa, grapes; Thompson & Morgan, Carr, street, Ipswich, Eng., seeds; Robt. Holmes, Norwich, Eng., chrysanthemums; John Peed & Son, West Norwood, London, S. E., Eng., chrysanthemums and begonias; August Haubner, Eisleben, Prov. Saxony, Prussia, seeds; Letellier, Son & Co., Caen (Calvados), France, trees and shrubs; Bredemeier & Drege, Pallanza, North Italy, seeds; Ernst Riemschneider, Altona-Hamburg, Germany, seeds; Welch Bros., Boston, Mass., cut flowers; Cincinnati Cut Flower Co., Cincinnati, Ohio, cut flowers; Holton & Hunkel Co., Milwaukee, Wis., cut flowers; Geo. M. Moss, Philadelphia, Pa., cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies; J. B. Deamud, Chicago, Ill., cut flowers.

New York.

DULL DAYS FOLLOW CHRISTMAS.—NEW YEAR'S HAS LOST ITS VALUE.—PRICES WEAKEN.—ROSES FROM MADISON.—A SPECIAL SUNDAY TRAIN.—PLAN A SCHOOL OF HORTICULTURE.—PERSONAL JOTTINGS HERE AND THERE.

Since Christmas business has been spiritless, with a downward tendency in values and a general protest all along the line in consequence. New Year's has not for some years made any impression worth mentioning, being, so far as the florist trade is concerned, but a faint echo of the Christmas experiences as to character of the demand. There was a moderate accumulation on the preceding Saturday in wholesalers' hands, caused by the hoarding up of a certain proportion of the cut flower product after Christmas, but customers or special demand did not materialize and the only effect was to still further depress prices. The Thirty-fourth street market was the scene of quite a lively time on Saturday morning, the usually staid and demure occupants apparently having tried to imitate the brokers in their frisky New Year's gambols and it was nearly noon before quiet was restored. The only ripple in the New Year's demand came late on Monday, when an unexpected call for violets was developed, but unfortunately too late to be taken advantage of. Since then business has been discouragingly dull.

The number of boxes sent to the New York wholesale dealers from Madison rose growers on the Saturday and Sunday preceding Christmas is said to have been nearly 800. The D., L. & W. railroad has arranged to send a regular train from Madison every Sunday morning on which the roses that heretofore have been shipped on Saturday night will be despatched. Prospects for a Sunday of rest for the New York dealers appear to be receding.

A movement is on foot to establish a school of horticulture in New York city where young men may perfect themselves in the science. The project has the support of men of means and is likely to be carried through.

John H. Taylor is out again and hopes to soon be as well as ever. He is still obliged to use a cane in walking.

Gus. Bergmann, John Young's right-hand man, is laid up with a severe attack of pleurisy.

Chas. Schwake, formerly in business on East Thirty-fourth street, is now with Hagemann & Meyer.

W. H. Gunther received and disposed of 173,000 violets in the three days of Christmas trade.

Cold weather has been getting in its work during the past week and a good many frozen consignments have been received.

E. C. Horan is receiving some good sweet peas, but they find a very slow sale so far.

The best yellow tulips seen so early in the season are coming in to Julius Lang.

Washington.

A JOYOUS HOLIDAY SEASON AT THE CAPITAL.—BIG TRADE AT GOOD PRICES.—FLOWERING PLANTS IN HIGH FAVOR.—AMONG THE RETAILERS.

The holiday trade was very good, especially in blooming plants. The demand was good and the supply plentiful and in fine condition. There were many calls for hardy greens, holly and mistletoe, then asparagus and smilax. A. Gude & Bro. had a fine display of azaleas, which sold easily at $2 to $5 each. Cyclamens were extra fine for this time of the year and sold at from $1.50 to $3 each. Poinsettias, six or eight low plants in 10-inch pans, were in great demand at $1.50 to $2.50. In fact the sales in blooming plants were as good as at any Easter. Gude & Bro. also had a lot of Major Bonnaffon chrysanthemums, flowers and leaves as good as in November, which brought fair prices.

Cut flowers retailed about as follows: Beauty, $6 to $18; La France, $5 to $6; Bride, Bridesmaid, Kaiserin, Golden Gate, $3 to $6; Meteor, Perle, Mme. Chataney, $2 to $4; Carnot, $3 to $5; carnations, $1 to $2; bulbous stock, 50 cents; violets, $3 to $4 per hundred.

The American Rose Co. had a good run on poinsettias at $2 to $4 per dozen and had many calls for red immortelle wreaths with ribbon. Their new rose, Ivory, is making a good showing and brings from $2 to $3 per dozen.

J. L. Loose had a five-hundred-dollar ball decoration on Christmas day for Gen. A. E. Bates, Paymaster General of the army. The ball room was decorated in holly, green, mistletoe and poinsettias, the dining room in American Beauty roses and the drawing room in yellow carnations.

J. R. Freeman is cutting a large quantity of fine carnations; his Bradts are something extra. His violets are fine and sold at Christmas at $4 per hundred. Araucarias sold well, but there was more demand for cheaper things, such as ardisias and solanums.

C. F. Hale had a good holiday demand for Cypripedium insigne at $4 per dozen, lily of the valley at $1 per dozen and poinsettia $3 to $6 per dozen.

J. H. Small & Sons had the Christmas decoration for St. Patrick's church. Back of the main alter palms and poinsettias were banked; each flower had a small electric bulb in the center producing a fine effect.

At New Year's prices held up to the Christmas scale and trade was good. Orchids and violets were scarce. J. H. Small & Son showed some fine blooms of Weber's Genevieve Lord.

The first white lilacs of the season were used in a basket sent to President and Mrs. McKinley.

Gloire de Lorraine shed its flowers too quickly, probably because grown soft; I think it will be better at Easter.

PHILIP GANGES.

Baltimore.

BELATED CHRISTMAS VERDICTS.—EXPERIENCES OF THE RETAILERS.—EVERYONE PLEASED.—A SPIRIT OF ENTERPRISE AROUSED.—WINDOW DECORATIONS, A FAKIR AND A NEW WAGON.

A canvas of the stores and market men shows a very satisfactory holiday season to all. Nearly every man approached pronounced it far ahead of last year. The amount of holly and immortelle work disposed of in the markets was enormous. Geo. Siddons, who had a sort of corner in holly wreaths at Lexington market, sold between 500 and 600 dozen, and the rest of the crowd were not idle by any means.

Feast & Sons, can not yet make an accurate comparison with last year. The demand for Beauties was ahead of anything else, but ten wagon loads of plants were sold.

Wm. J. Halliday thought plants rather slow, the demand being for roses and carnations, violets going slowly at $3 per hundred.

Halliday Bros, were enthusiastic over the results, which they pronounced the best they have experienced. This firm handled all the Ulrich Brunners and American Belles that came to this market, and the demand for them and Beauties as well as small roses was far beyond their expectations. Of carnations Bradt, Gomez, Maceo, Matt. Richmond, Daybreak, Scott and Flora Hill are all grown in large quantity and extra quality by them, and they cut and sold in three days over 8,000 blooms.

It is gratifying to see the flower trade keeping pace with the growth of the city, and no one could visit any number of retail dealers now without being impressed with the fact that more business has been done than was expected and that a spirit of enterprise has been aroused that will make the next season better still.

The window decorations of the stores were more striking and original than ever. The hanging fasteners for cut flowers were greatly in evidence, one column of Halliday Bros'. being made into a pillar of orchids, another being Roman hyacinths. A showy window was one bank of dazzling poinsettias at W. J. Halliday's, and in fact every window seen showed taste and skill in some degree.

We now have a fakir who is up to date and may hope to some day equal Philadelphia's plate glass street stalls. This man has a large glass show case on wheels, and draws up to the sidewalk with his cheap flowers, much to the disgust of nearby dealers in good stock.

Halliday Bros.' new delivery wagon is a dandy. From the delicately traced monogram on the black-green sides to the rubber tired wheels, it is a model of usefulness and elegance without a peer among us.

MACK.

WORCESTER COUNTY (MASS.) HORTICULTURAL SOCIETY.—This society has provided an elaborate programme of discussions for Thursday evenings during January, February and March.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant adv. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By experienced man, florist, nurseryman and landscape gardener. W L, care American Florist.

SITUATION WANTED—By young man with 2½ years' experience in r ses, carnations and bedding stock. Address E L care American Florist.

SITUATION WANTED—By all-around grower, to take charge; state wages you can pay. References. Address GROWER, care American Florist.

SITUATION WANTED—By young with 6 years experience in store and greenhouse; age 21; references; state wages. Address J M. American Florist.

SITUATION WANTED—By a thoroughly competent man, age 26; eleven years' experience in every branch. Steady, sober; references Address CHICAGO, care American Florist.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

SITUATION WANTED—As manager; understand gardening and farming and work on private place; will be disengaged March 1st; 6 years in present position. H A B, care American Florist.

SITUATION WANTED—As grower of carnations and tea roses or working foreman on retail place. First-class cut flower worker and decorator; married Address GEO. R L, care American Florist

SITUATION WANTED—By a good all-around man, twelve years' experience; could take charge of small place; am good on designs; married, no children. Address FLORIST, 1202 Frye Ave., Peoria, Ill.

SITUATION WANTED—By young French-Swiss, age 21, as helper with firm who will exhibit at Paris expoisition. Several years' experience; speek French, English and German. References. Address PARIS, care American Florist, Chicago

WANTED—Boy to learn the greenhouse business and the growing of cut flowers. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—A man competent to handle a bedding trade, as well as understanding the growing of plants. Address H. care American Florist.

WANTED—A copy of issue No 4, October 1, 1885, volume I of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—Grower capable of taking charge of 75,000 feet of glass; also one good greenhouse hand. A good position for the right men JOHN IRVINE & SONS, Bay City, Mich.

WANTED—Assistant rose grower that thoroughly understands growing first class stock; do not apply without references; single Englishman preferred. Address ROSE GROWER, American Florist.

FOR SALE—Commercial place of R. D. BAKER, Canon City, Colo.

TO RENT—For cash or share, greenhouses of 9,000 feet in full operation. Address GREENHOUSES, care American Florist.

FOR SALE—Good retail stand, four greenhouses, in city of 75,000. Central Illinois Cheap if taken at once. GOOD CHANCE, care American Florist.

FOR SALE—A good boiler capable of heating five thousand feet of glass. Can be used for steam or hot water; nearly new and in perfect order. Address GEO. STAFFLINGER, Springville, N. Y.

FOR SALE, CHEAP—Two greenhouses 20x100 each; well stocked; steam heat; houses three years old and all right; 3 acres market ground; no opposition; good chance for right man. Write for particulars to H. F. SERRELL, Oxford, Mich.

FOR SALE—Who wants a chance to secure a home and a business for little cash; dwelling and 4000 ft of glass; no competion; good thing for florist or lettuce grower; only $400 required. AI CHANCE, care American Florist.

FOR SALE.

First-class, well established florist business, located in western Iowa, in a live city of 5000 inhabitants, and 15 thriving cities within 40 miles; good R R connections. Good home market. Good shipping trade No competition. Six large houses, all new, in heart of city; full of stock in excellent condition. Will be sold very reasonable if taken at once. Good reason for selling. Do not write unless you mean business. Address IOWA, care American Florist

∴FOR SALE.∴

A Greenhouse plant of 36,000 square feet of glass, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with every modern appliance; have Herendeen boilers, and are well stocked with Roses, Carnations, Ferns and everything pertaining to the business. Will be sold at a sacrifice, as owner has other interests.

For further particulars apply to

PROPRIETOR,

P. O. Box 797, Pawtucket, R. I.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Lincoln, Neb.

Trade has been good all fall, especially out of town, and having plenty of good stock it was no trouble to fill orders until Christmas, when late orders could not be supplied. There seems to be a growing demand for blooming plants and we sold hundreds of chrysanthemums this fall, 6 and 7-inch pot plants, at good prices, and now have good sale for cyclamen, primulas in variety, azaleas, sword ferns, small palms, etc.

In the new carnations America and G. H. Crane are both good growers and free. Gen. Gomez and Gen. Maceo are the two best crimsons, the freest bloomers we have on the place. White Cloud and Frances Joost are fine flowers but not very free. Jubilee will have to go, as stem rot seems to have the better of the argument with it on our place. One of the best selling carnations I have is Kohinoor, grown warm; though somewhat mottled in midwinter it is always called for. C. H. FREY.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

Wholesale Flower Markets

CINCINNATI, Jan. 4.	
Roses, Beauty, select	75 00
" " medium	25.00
" Bride	6 00@ 8.00
" Bridesmaid	6 00@ 8 00
" Meteor	8.00@10.00
" Perle	4.00@ 6 00
Carnations	1 50
" fancy	4 00@ 5.00
Lily of the Valley	4 00
Violets	1.00@ 1.50
Narcissus	3 00
Roman Hyacinths	2 00@ 3 00
Callas	10 00@12 50
Harriet	12.50@15.00
Poinsettias	25 00
Daffodils	4 00
Asparagus	50 00
smilax	12.50
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15
ST. LOUIS, Jan. 4.	
Roses, Beauty	10.00@20.00
" " fancy	25.00&50.00
" Bride, Bridesmaid	6.00@10.00
" Meteor	6.00@10.00
" Perle, Wootton	5 00@ 8.00
Carnations	2 00@ 4 00
Lily of the valley	4 00
Violets	1 00@ 1 50
Narcissus	2 00@ 3.00
Romans	2.00@ 3 00
Stevias	.50@ .75
smilax	15.00@18.00
Adiantum	1.00
Asparagus	50.00@75.00
MILWAUKEE, Jan. 4.	
Roses, Beauty, long, per doz.	3.00@ 4 00
" " medium " "	1 50@ 3.00
" " short " "	.50@ 1 00
" Bride, Bridesmaid	6.00@ 8.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations	2.00@ 4.00
Stevias	1.50@ 2.00
Roman Hyacinths	3 00@ 4 00
Narcissus Paper White	3.00@ 3.50
Adiantum	1 00@ 1 50
Common ferns	35
Smilax	15 00@18.00
Asparagus	75.00
PITTSBURG, Jan 4.	
Roses, Beauty	10.00@100 00
" Bride, Bridesmaid	6.00@12.00
" Meteor	6.00@12.00
" Kaiserin	6 00@12.00
" Perle	4.00@ 8.00
" Custa	4.00@10.00
Carnations	1 50@ 5.00
Lily of the valley	3 00@ 4.00
Violets, double	.75@ 2 00
" California	.50@ 1.00
Narcissus Paper White	2.00@ 3 00
Roman Hyacinths	1 50@ 3.00
Harriett	15 00@20.00
smilax	12 00@15.00
Wild Smilax per case 3 50@6.00	
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40@
" strings 35 to 50c	
" Sprengerii, bunches 35 to 75c	
Galax Leaves	.15

FLORISTS WHO BUY ORCHIDS

will find the following statements interesting facts:

I. The "Rosebank" Nurseries have the largest collection of Orchids in the country.

II. This establishment is the only one outside of New York growing Orchids for the trade.

III. The "Rosebank" products are never sold through wholesale dealers.

IV. Orchids offered by wholesale dealers are consigned and shipped from New York.

V. The dealers themselves admit that "Rosebank" Orchids are far superior to those shipped from New York.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

NO CHARGE FOR PACKING.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

HOLTON & HUNKEL CO.

Wholesale Florists,

457 Milwaukee St., - MILWAUKEE, WIS.

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copies of the new edition of our DIRECTORY of Florists, Nurserymen and Seedsmen of the United States and Canada, arranged both by states and towns and alphabetically. Price, $3.00; in board covers, $2.00.

American Florist Company,
324 Dearborn Street, Chicago.

FANCY
CARNATIONS

We have positively the finest stock that comes to this market.

LIGHT PINK.	Per 100
Genevieve Lord	$5.00
Mrs. Jas. Dean	5.00
DARK PINK.	
Mrs. Frances Joost	3.00
Argyle	4.00
New York	4.00
SCARLET.	
G. H. Crane	5.00
Chicago "Red Bradt"	5.00

MAROON.	Per 100
Gen. Gomez	$5.00
Gen. Maceo	5.00
VARIEGATED.	
Mrs. Geo. M. Bradt	4.00
WHITE.	
White Cloud	5.00
John Young	4.00
Evelina	2.00

Also a full line of ROSES, STANDARD CARNATIONS and everything seasonable. Send us a trial order.

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

J. B. DEAMUD,

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McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, BULBS, ETC., ETC.

We are strictly headquarters in the Western States for MASSACHUSETTS FANCY FERNS,

Present prices: Per M. $1.50; per 5 M lots, $5.50.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

All stock at lowest possible prices.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

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BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

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Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

JOHN B. FERGUSON,
Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

.....If your.....

Business Methods
are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO, Jan 5.

Roses, Beauty,	extra long stems		10.00
" "	30 inch	"	8.00
" "	24 "	"	6.00
" "	20 "	"	5.00
" "	15 "	"	3.00
" "	12 "	"	2.00
" "	8 "	"	1.00
" Bride, Bridesmaid			6.00@ 8.00
" Perle			4.00@ 6.00
" Meteor			6.00@10.00
" Kaiserin			6.00@ 8.00
" La France			6.00@ 8.00
" Golden Gate			12.00
Carnations			2.00@ 3.00
" fancy			4.00@ 5.00
Violets, double			.50@ 1.00
" single			.40@ 1.00
Lily of the Valley			3.00@ 5.00
Cattleyas		per doz.	6.00
Dendrobiums			3.00
Lilacs		per doz.,	$1.50
Mignonette			1.00@ 2.00
Roman Hyacinths			1.00@ 2.00
Narcissus			3.00@ 4.00
Freesias			4.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy Ferns			.20
Smilax			10.00@20.00
Asparagus			50.00@60.00

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Please mention the American Florist when writing.

E. H. Hunt
THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL
Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,
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Mention the American Florist.

Benthey & Co.
F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.
Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

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CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

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Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

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NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

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Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

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Horticultural Auctioneers.

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Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

GEO. A. KUHL,

Grower of Cut Flowers

ROOTED ROSE CUTTINGS.

Pekin, Illinois.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Wholesale Flower Markets

PHILADELPHIA, Jan. 3.

Roses, Tea	6.00@10.00
" extra	12.00@15 00
" Beauty, extra	75.00
" " firsts	25.00@50.00
" " seconds	10.00@15.00
Carnations	1.00@ 2 00
" fancy	2.00@ 3.00
Lily of the valley, Romans	2.00@ 5.00
Violets	1 00@ 1.50
Mignonette	2.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00

BOSTON, Jan. 3.

Roses, Beauty, extra	40.00@50.00
" " medium	15.00@25.00
" " culls	10 00@15.00
" Bride, Bridesmaid, Meteor	4.00@10 00
" special	12.00@16.00
Carnations, ordinary	1 00@ 1.50
" fancy	2 00@ 4.00
Lily of the valley	2.00@ 3.00
Violets single and double	.75@ 1.25
Paper White Narcissus	1.50@ 2.00
Roman Hyacinths	.75@ 1 00
Mignonette	4.00@ 6.00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	.75@ 1.00

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Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

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Also Dealer in Florists' Supplies & Wire Designs.

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A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-43-24 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET.

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. PRICE, $2.00.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
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JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
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THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
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GROWERS and BUYERS make a note of this. It will be to your advantage.
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FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
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N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
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YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
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FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower. Ashtabula, Ohio.

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Roses shipped to all points. Price List on application.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Jan. 3.

Roses, Beauty select	25.00@50.00
" " medium	10.00@15 00
" " culls	5 00@10.00
" Bridesmaid, Bride, Meteor	3.00@12.00
" Meteor	5 00@15 00
Carnations	1 00@ 1.50
" fancy	2.50@ 4.00
Lily of the valley	1.50@ 2.10
Violets	.75@ 1.50
Paper White Narcissus	1.00
Romans Hyacinths	.50
Yellow Narcissus	2.00@ 3 00
Mignonette	2.00@ 8.00
Callas, Harrisii lilies	8 00@10.00
Cattleyas	40.00@50 00
Smilax	8.00@12.00
Asparagus	35 00@50.00
" Sprengeri, per doz. bunches	1@1 50
Adiantum	.50@ .75

BUFFALO, Jan. 4.

Roses, Beauty	10.00@100.00
" Bride, Bridesmaid, Meteor	4.00@10.00
" Perle, Niphetos	3.00@ 6.00
" Kaiserin	4.00@10.00
Carnations, ordinary	1.50@ 2 50
" fancies	3.00@ 8.00
Lily of the valley	3.00@ 4.00
Violets	1.00@ 2 00
Narcissus Paper white	2 00@ 3 00
Roman Hyacinths	2.00@ 3 00
Harrisii	20 00
Callas	12.00@20 00
Stevias	1.00@ 1 25
Chrysanthemums	8.00@20 00
Smilax	15.00
Adiantum	.75@ 1.25
Hardy Ferns, Galax Leaves	.15
Asparagus	30.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Galax Leaves.
GREEN and BRONZE.
New crop. Finest stock only, for the HOLIDAY SEASON.
THE INTRODUCER
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres.; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

FOR the coming season's crops on the Pacific coast, ideal weather conditions now prevail.

ST. PAUL.—Recent visitors were W. H. Small, C. P. Braslan and Alex. Rodgers, President of the American Seed Trade Association.

VISITED CHICAGO: W. H. Marcon, of Toronto, Ont., formerly with the Steele, Briggs Seed Co.; Lester C. Morse and wife, of Santa Clara, Cal.; W. H. Grenell, of Pierrepont Manor, N. Y.

PEAU D'ESPAGNE is the name of a new sweet pea which will be brought out by S. Y. Haines & Co. the coming season. We hear that the description rivals those written by the greatest sweet pea specialists in their palmiest days.

M. H. CROUPIN, a French writer, finds that after leaving seeds for long periods—in some cases nearly a month—in contact with the vapors of chloroform and ether, no injury to their germinating qualities was apparent under test. He states that the introduction of a small amount of chloroform into air-tight receptacles for seeds is a very simple and effective method of destroying any insects which may attack them.

Some Recent Fires.

BALTIMORE, MD.—On December 28 fire destroyed the greenhouse of Emma A. Clarkford. The structure was 40x125 and the loss was $500, insured.

PITTSFIELD, MASS.—Two barns, a potting shed and a portion of the greenhouses of G. J. Reuter & Son were destroyed by fire on the night of December 23. Loss $1000, partially covered by insurance.

GRAND RAPIDS, MICH.—At midnight December 30 fire destroyed all but two of Charles Chadwick's range of greenhouses, inflicting a loss of about $5,000. Mr. Chadwick has no idea as to the origin of the fire and was uninsured.

PEORIA, ILL.—J. C. Murray is confined to his home by rheumatism.

LISBON FALLS, ME.—Elwood Goddard, who recently leased the business of M. D. Goddard, has added one house for miscellaneous stock and built a new boiler house.

GREENWICH, CONN.—Alexander Mead & Son have recently completed a range of four additional houses in which they have installed a Hitchings heating apparatus.

SYRACUSE, N. Y.—During the past season L. E. Marquisee added three new carnation houses, with side ventilation, to his plant, one being 26x70 feet and the other two 21x46 feet.

ROCHESTER, N. Y.—But little preparations for the New Year's trade were deemed necessary, but our florists were agreeably surprised to find that the call for cut flowers was very brisk. A goodly number of plants were also disposed of, principally palms and ferns. The week has been a decidedly busy one and the year 1899 was one of our most prosperous in the last decade. J. B. K.

New Flower Seeds for Seedsmen and Florists

ASTER—Semple's Branching, mixed, at 50c per oz.; $6.00 per lb. Semple's Shell Pink, white and red, at 75c per oz.; $8.00 per lb. Truffaut's Imp. Peony Flowered, mixed, at 75c per oz.; $8.00 per lb. Improved Victoria, mixed (fine for cutting), trade pkt. 25c; $1.25 per oz.

AMPELOPSIS VEITCHII—Per oz., 10c.; per lb., 75c.

CLEMATIS PANICULATA—Per oz., 50c.; per lb., $5.00.

PANSY—J. & S. Kingly collection (prize strain), half trade pkt., 30c.; trade pkt., 50c.; $5.00 per oz.

SALVIA SPLENDENS—(Floracroft strain) trade pkt., 20c.; per oz., $1.00; per lb., $12.00.

SALVIA CLARA BEDMAN—Trade pkt., 40c.; per oz., $2.00.

NASTURTIUM—Tom Thumb, mixed, per lb., 50c.; per 100 lbs., $45.00. Tall, mixed, per lb., 45c.; per 100 lbs., $40.00.

ENGLISH MUSHROOM SPAWN—New shipment, 25 lbs. at 7c.; 100 lbs., $6.50; 1000 lbs. $60.

LILY OF THE VALLEY PIPS—Berlin sand grown, 3 years old, large crowns, at $10.00 per 1000; per case (2500) at $23.00. Add 8c per lb. for postage.

JOHNSON & STOKES, Seedsmen,
217 and 219 Market Street, PHILADELPHIA, PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of
CHOICE FLOWER SEEDS FOR FLORISTS
is now ready. A post-card will bring it to you.

We have still on hand some of our
LILY OF THE VALLEY PIPS,
the finest that come to this country.
Per 1000, $10; cases of 3000 at $9 per 1000.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

BULBS. LOW SPECIAL OFFER.

	Per 100
SINGLE HYACINTHS, named varieties	$4 80
" " " " colors	3.75
TULIPS, SINGLE EARLY, mixed	.60
" " LATE, "	.70
" DOUBLE EARLY, "	.70
" " LATE, "	.65
" PARROT, mixed	.75
CROCUS, mixed	2.35
NARCISSUS POLYANTHUS, yellow, mixed	1.00
" VON SION	1.30
ANEMONES, single, mixed	.75
" double, "	1.10
OXALIS BOWIEII	1.00
" VERSICOLOR	.75
SCILLA SIBERICA	.75
CHINESE LILIES	4 00
FREESIA REFRACTA ALBA, large	.75
LILIUM HARRISII, 5 to 7	3.25
" " 7 to 9	8.00

Order at once. Terms cash. **H. L. HOLMES, Harrisburg, Pa.**

Please mention the American Florist when writing

ONION SEED.

CHOICE CALIFORNIA GROWN.
Strictly 1899 Crop.

500 lbs. Yellow Strasburg.....70c per lb
1,200 lbs. Red Wethersfield.....70c per lb
700 lbs. Prize Taker.....$1.00 per lb
1,300 lbs. Yellow Globe Danvers.....75c per lb
250 lbs. Silver King.....$1.25 per lb
900 lbs. Yellow Flat Danvers.....70c per lb
750 lbs. Southport Yellow Globe.....75c per lb
300 lbs. Southport Red Globe.....$1.30 per lb

Terms, 120 days, or 5 per cent discount for cash.

PERRY WATSON & CO.,
Seed Growers, SACRAMENTO, CALIFORNIA.

Please mention the American Florist when writing

Gardening Under Glass



Try Watson's for
SELECT STOCKS
of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.

	Packet.
TOMATO, Sutton's Best of All	$0.15
Lorillard, origina or's stock	.15
Mayflower, extra selected	.15
Frogmore, Veitch's original sealed packets	.50
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25

MUSHROOM SPAWN, my celebrated "W. F." brand, best in the world, 10 lbs. for $1.00. Sample brick, postpaid, for 25c.

RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.

CRAPE VINES, for grapevines, 30 varieties, 1-yr., 75 cts.; 2-yr., $1.50 each.

Bailey's Forcing Book The latest up-to-date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass, 226 pages, 88 illustrations, price $1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,
Importer and Exporter of
GRASS and GARDEN SEEDS, BULBS,
Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.
Office & salesroom, Juniper St. below Walnut,
PHILADELPHIA, PA.

XXX SEEDS

VERBENA GRANDIFLORA.
The finest strain of Improved Giant Verbenas yet produced; largest flowers and best colors, per pkt., 600 seeds, mixed colors, 50 cts.

PETUNIA DOUBLE FRINGED,
The largest and finest Double Fringed and Mottled Petunias to be had. Trade, pkt., 50 cts.

CHINESE PRIMROSE.
Best large, single and double, 500 seeds, $1.00.

PHLOX DRUM. PUMILA,
New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales. Mixed colors; per trade pkt., 20 cts.

A pkt. of new double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES.

Please mention the American Florist.

Dreer's RELIABLE Flower Seeds-- NEW CROP



DREER'S SUPERB DOUBLE FRINGED PETUNIA.

The following are but a few of the many Flower Seeds which should be sown early. For a complete list see our Wholesale Catalogue.

	Trade pkt.	Oz.
AGERATUM Cope'a Pet, a fine dwarf blue	.15	.40
ALYSSUM Little Gem, dwarf white	.10	.25
ASPARAGUS Sprengerii. 75 cts per 100; $6.00 per 1000 seeds.		
" Plumosus nanus, $1.00 per 100; $9.00 per 1000 seeds.		
ASTER Comet, in separate colors	.40	$2.00
" " finest mixed	.30	$1.50
" Peony Perfection, in separate colors	.30	$1.50
" " finest mixed	.30	$1.25
" Queen of the Market, in separate colors	.20	.75
" " " finest mixed	.15	.50
" Victoria, in separate colors	.40	$2.00
" " finest mixed	.30	$1.50
" Semple's Branching, in separate colors	.30	$1.25
" " finest mixed	.25	$1.00
BROWALLIA speciosa major—a fine pot plant	.50	$5.00
CARNATION Marguerite, mixed—a grand strain	.25	$1.00
CENTAUREA candidissima	.25	$1.00
" gymnocarpa	.15	.40
COBÆA scandens, purple	.10	.30
CYCLAMEN persicum giganteum, mixed, extra fine, per 100 seeds, $1.00		
DRACÆNA indivisa	.10	.30
GREVILLEA robusta—a fine vase plant	.15	.40
LANTANA hybrida, mixed	.10	.20
LOBELIA Crystal Palace compacta	.30	$2.00
" Speciosa, dark blue, trailing	.20	.60
MIGNONETTE Machet, selected stock	.15	.50
PETUNIA, Dreer's double fringed, 75 cts per 500 seeds, $1.50 per 1000.		
" " single "	.50	
PYRETHRUM aureum	.10	.30
" " selaginoides	.25	$1.00
SALVIA splendens	.30	$1.25
" " Bonfire	.50	$2.50
SMILAX—per lb., $3.50	.15	.35
STOCKS, Large flowing, 10-week, mixed	.40	$2.00
TORENIA Fournieri	.30	$3.00
VERBENA, mammoth, mixed	.25	$1.00
VINCA rosea, mixed	.15	.50

HENRY A. DREER,

714 Chestnut St., PHILADELPHIA, PA.



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

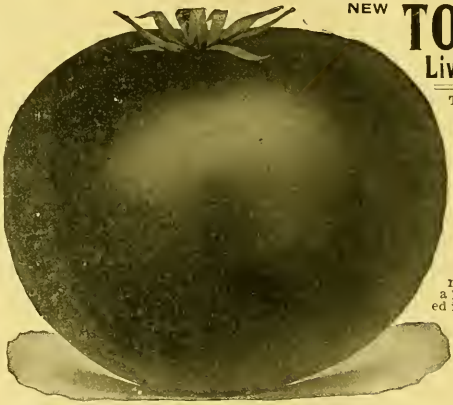
R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Ball Head and Cauliflower Wiboltt's Snowball.

Awarded highest prize St. Petersburg, May, '99.

LILY OF THE VALLEY PIPS.



NEW **TOMATO** FOR 1900

Livingston's MAGNUS

This very distinct and most promising new variety, of the color of BEAUTY and ACME, is the latest addition by Livingston to the Tomato family. It is thicker, heavier, and more solid than either of the above, making it easily the most handsome sort in cultivation. The form is perfect, uniform, large and attractive. Flesh very firm. It is a robust grower, with short joints, setting its fruit clusters closer together than most varieties, and is therefore a heavy cropper. We have tested it for several years for forcing in greenhouses, and it has excelled all other varieties for this purpose.

PRICES:— Per Pkt., 20c; 3 Pkts. 50c.; 7 Pkts. $1.00

THE LIVINGSTON SEED CO., Columbus, Ohio.

Lily OF THE Valley

PIPS.

"London Market" and "Premium" Brands.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

Send for our NEW LIST of Plants for EASTER forcing. Florists FRESH Flower Seeds, etc. READY NOW. Tuberous Begonias, single, 5 separate colors, 1 to 1½ inch., doz. 40c; 100 $2.50; 1½ to 2 inch. doz. 50c; 100, $3. Dbl. separate colors, EXTRA LARGE, doz., 80c; 100, $6; 1 to 1½ inch. doz., 75c; 100, $5. Gloxinia FINEST strains, doz., 50c; 100, $3. READY JANUARY. Asparagus Sprengerii seed, 100, 75c; 1000, $6. Asp. Pl. Nanus, 100, $1.25; 1000 $10. Latania borb seed, 100, 40c; 1000, $2.50. Pandanus utilis, 100, $1.25; 1000, $10. Cocos Wed., 100, $1; 1000, $7.50. Japn. Fernballs, sample 50c; doz., $4.50.

H. H BERGER & CO., 47 Barclay St., NEW YORK.

50,000 Gladiolus Bulbs for Sale

They are of good size and a greatly improved mixed strain from the German. French, Lemoine, Luther Burbank and the Chilsi seedlings; principally white and light colors.

At wholesale, $4.00 per 1000. In lots of 5000 or more will give time till 1st of June, 1900, to responsible parties. Otherwise, cash with order.

GEO. BILLOW, Akron, O.

SEEDS OF Asparagus Sprengerii,

$7.50 per 1000 seeds, 80 cts. per 100 seeds.

Asparagus Plumosus Nanus,

$10.00 per 1000 seeds, $1.25 per 100 seeds.

Less 10 per cent for Cash with Order

August Rolker & Sons, 52 Dey St., New York.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

Who killed the peach crop?
"I," said the liar,
"With my 'special wire,'
I killed the peach crop."
—*National Fruit Grower.*

THE Elizabeth Nursery Company reports that inquiries up to date indicate a very heavy spring business.

GUTHRIE, OKA.—Furrow Bros. now have an establishment of 10,000 feet of glass and twelve acres in nursery stock.

RECENT experiments show that the frequent removal of strawberry runners increases the number of fruits, but retards the time of ripening.

TREE strawberries have been produced by L. Baltet, according to the *Gardeners' Chronicle*, by tying up the runners vertically and removing the lateral buds.

THE wineberry, Japanese mayberry, loganberry and strawberry-raspberry are not regarded favorably by Prof. Taft. The latter, he says, bids fair to become a troublesome weed, and as it has no value its cultivation should be discouraged.

Winter Protection for Evergreens.

It is quite common to find in many florists' collections an assortment of small evergreens, coniferous and otherwise, which they find of much use for decorating, as well as salable for planting out purposes. These collections, besides containing species fairly hardy in the northern states, have, perhaps, English and Portugal laurel, sweet bay, English holly, Magnolia grandiflora and Euonymus Japonicus, which, while not considered hardy enough for general planting, are quite enduring in this vicinity, if protected a little while young.

When in pots, as florists usually have them, an open frame may be used, sheltered from the wind and entirely free from sunlight. There must be enough leaves or similar material placed above the pots to keep frost out; then there will be but little to fear from the cold of winter.

It is now well understood that it is the bright sunlight which causes the injury to evergreens so often witnessed in winter. This is why placing the plants in a shady place for the winter is so desirable. When such a situation does not offer it can often be provided; many ways will suggest themselves.

Let me call attention to what I think a most valuable help to evergreens in winter. I refer to the keeping of frost from their roots. Whether in pots, tubs or in the open ground, there is no help so useful as a mulching of sufficient depth to prevent frost penetrating. When in an open place, with intense light overhead and ground frozen solid about the roots, it is impossible for the roots to make good the enormous loss by transpiration the foliage sustains, and injury results. This is often seen in the case of rhododendrons. With protection such as is here advocated these evergreens will winter well, but without it they suffer greatly, despite their apparent effort to help themselves by rolling up their leaves, as they do.

It is not too late to do the necessary work now. The sun is low yet, and injury may be said never to occur until after New Year's. The prime points to remember are that the tops must be in darkness and the roots in unfrozen soil.

It will interest many of your readers, familiar with the shrub, to know that despite the severity of last winter, a two-foot specimen of common English laurel was wintered by me entirely uninjured in leaf or branch, by mulching with leaves to keep out frost and standing a board on its southern side to keep off the sun; and it has just been fixed in the same way for this winter's trial.

Philadelphia. JOSEPH MEEHAN.

Syracuse, N. Y.

BUSINESS EXCELLENT.—A VISIT TO THE MARQUIS.—ROSES AT QUINLAN'S.—CARNATION JOTTINGS.—BURT REPORTS FINE TRADE.

Choice stock has been somewhat scarce, the demand of late having exceeded the supply by a good margin. What is really needed is a few bright, sunny days. Bright weather, to put it in the words of an apprentice boy about one of the greenhouse establishments, will soon "fetch 'em in great shape," for there is an abundance of stock grown about Syracuse.

There is one attraction which is drawing many a grower from afar and that is The Marquis. Although planted late, it seems to have received no set-back whatever; on the contrary it has made splendid growth and is going ahead in a manner to convince the most conservative of its superior constitution and other good qualities. Mr. Marquisee informs the writer that of the 18,000 plants housed, two-thirds at least will be used for cuttings exclusively. That the florists know a good thing when they see it, may be gathered from the fact of the large quantity already sold.

At P. R. Quinlan & Co.'s things are as usual in "apple pie" order. Lady Dorothea, as grown here, is a magnificent rose and Mr. Bard, the genial manager of the establishment, assures me that it has a future before it. Golden Gate is grown to perfection here and Mme. Hoste could not possibly be surpassed anywhere. Kaiserin, though generally conceded to be a summer rose, does equally well here in midwinter, while Bride, Bridesmaid and Pearle are as fine as these varieties can be grown anywhere. What attracted my special attention was a house of American Beauties, every bud of which has been sold in advance. These were beauties in all that the term implies. In carnations Red Jacket is Mr. Bard's favorite. Genesee and McGowan still hold their own here, although White Cloud will be given a fair test during the coming season. Albertini and Scott make up the pinks, the former showing up exceptionally well.

Henry Burt reports the best trade he has had in years, with supply barely keeping pace with the demand. Mr. Burt grows a general line of stock for his retail trade. HOMO.

DEUTZIA GRACILIS.
Strong, bushy plants for forcing, $6.00 per 100.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Send for price list of Hardy Shrubs and Trees.

FIELD GROWN, OWN ROOT
ROSE BUSHES.
TENDER AND HARDY SORTS.
BOSTON IVY.
Send in your list of wants for pricing.
THE HOWLAND NURSERY COMPANY., LOS ANGELES, CAL.

Several thousand strong field grown, 2 year old
ZELIA PRADEL ROSE
plants for sale, $15.00 per 100.
JOHN WOLF, - Savannah, Ga.

ROSES! = ROSES!
SOUTHERN GROWN, LARGE, THRIFTY, TWO-YEAR OUT-DOOR ROSES, SEVENTY-FIVE VARIETIES AT A BARGAIN,
To Clear off Grounds. Write for Prices.
JUNIATA ROSE FARM, P.O. Box 187, Atlanta, Ga.

SPECIALTIES IN BEST VARIETIES
ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.

STORM KING DAHLIA
READY NOW.. **For Forcing.**
Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.
W. P. PEACOCK, ATCO, N. J.
Please mention the American Florist when writing.

HOME OF CHOICE TREES
and Hardy Plants.
SPECIALTIES { Azalea Amœna, Rhododendrons, Kalmias, Blue Spruce.
NEW INTRODUCTIONS OF HARDY PERENNIALS.
NEWPORT NURSERIES, Newport, R. I.
Frank Brunton, Mgr. Catalogue free.
Please mention the American Florist when writing.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

LAKEVIEW ROSE GARDENS

.....JAMESTOWN, N. Y.....

WHOLESALE GROWERS OF CUT FLOWERS.

WE CAN FILL ALL ORDERS AT SHORT NOTICE.

FOR PRESENT SOWING.

Choicest Strains for Florists' Use, and of New Crop.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt, 50c.; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14.00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

PANSY, CHICAGO PARKS MIXTURE, trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, Snowball and Longfellow. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trade pkt., 10c; oz., 40c.

" **CANDIDISSIMA.** 1000 seeds, 25c.; oz., $1.

ORACAENA INDIVISA. Oz., 30c.; lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trade, pkt., 25c; ½ oz., 35c.

KENILWORTH IVY. Trade, pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

LOBELIA CRYSTAL PALACE COMPACTA. Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

LOBELIA, SUTTON'S GEM. White, pink or blue. Each, trade. pkt., 20c.

LOBELIA, White Lady; dwarf white. Pkt., 15c.

MIGNONETTE MACHET. true. Pkt., 10c.; oz., 40c.

" Bismarck, new, an improved Machet. Pkt., 15c.; ¼ oz., 30c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE, mixed, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE, each, 250 seeds, 50c.

PRIMULA FORBESI, "Baby Primrose," 500 seeds, 25c.

" " **COMPACTA,** new, 500 seeds, 35c.

SALVIA SPLENDENS, Clara Bedman. Pkt. 25c.

" " Drooping spikes. ¼ oz., 25c.

" " New crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA and **ROSEA,** each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz., 30c; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura, and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE, contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent on orders for flower seeds for $2.00 and over for cash with order.

For other seeds, send for our complete Flower Seed List.

New York. **VAUGHAN'S SEED STORE.** Chicago.

CRIMSON RAMBLER,

Strong plants, 3 to 4 ft.....$15.00 per 100
Extra strong plants, 4 to 5 ft..... 18.00 "

Acalypha Sanderi, 2½-in., $8.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

PETER REINBERG,

Wholesale Grower of Cut Flowers,

500,000 FEET OF GLASS.

51 Wabash Avenue, ...CHICAGO, ILL.

PRICE LIST.

AMERICAN BEAUTIES.	Per Doz.
Extra long stem	$10.00
30-inch stem	8.00
24-inch stem	6.00
20-inch stem	5.00
15-inch stem	3.00
12-inch stem	2.00
Short stem	1.00

	Per 100.
METEOR	$6.00 to $10.00
BRIDE	6.00 to 8.00
BRIDESMAID	6.00 to 8.00
PERLE	4.00 to 6.00
GOLDEN GATE	12.00
CARNATIONS	2.00 to 3.00
" fancy	4.00 to 5.00

WE ARE HEADQUARTERS FOR AMERICAN BEAUTIES.

Quotations subject to change without notice. All other stock at lowest market prices. We close at 6:30 P. M. Sundays and Holidays at noon.

NOW

WE'RE MOVED.

OUR new quarters, 32-34-36 Randolph St., give us the largest and best appointed cut flower establishment in the west. We're able to handle any business which comes our way. May we have yours?

Good Stock at Market Rates.

WHOLESALE CUT FLOWERS,

E. C. AMLING,

W. S. HEFFRON, MGR.

...CHICAGO, ILL.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY			
30-36 in. stem	per doz.,	$7.00	
24 "	"	5.00	
20 "	"	3.50	
15 "	"	2.50	
12 "	"	1.50	
8 "	"	1.00	

METEOR	per 100	$5.00 to 10.00
BRIDESMAID	"	6.00 to 8.00
BRIDE	"	6.00 to 8.00
PERLE	"	4.00 to 6.00
CARNATIONS	"	2.00 to 3.00
" Fancy	"	4.00

Quotations subject to change without notice. All other stock at lowest market prices.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

CHARLES L. SEYBOLD, Baltimore's champion bowler, for several years superintendent of Carroll Park, where his work has been of the highest order, has been appointed landscape architect for the Baltimore park system at a salary of $1,800 a year. He will enter upon his duties January 15.

At Minneapolis.

The following scores were made by the Twin City Florists' Bowling Club at their last contest:

Player.	1st	2d	3d	Av.
G. Will	168	158	148	158
J. Hartman	145	171	115	143
E. Nagel	124	130	136	130
G. Mahnquist	124	126	125	125
John Monson	117	131	122	123
H. Barsch	105	104	100	103
				N.

At Chicago.

In the absence of regular games during the holidays some of the Florists' Club bowlers are rolling with other teams and making good scores. In the North Shore League Geo. Stollery has played fourteen games, making a total of 2320 pins, an average of over 168. Coulson is the leader of the Central Parks, of the West Side League, having hit 2111 pins in twelve games, giving an average of 176. His best game was 223.

At New York.

Tuesday evening, January 2, saw a very jolly party at the alleys and it was in all respects one of the most enjoyable meets of the series. The scores were as follows:

Player	1st	2d	3d	4th	5th
Traendly	127	156	127	162	121
Siebrecht	115	105	130	117	120
Lang	121	129	125	112	
Donlan	118	122	124	161	112
Hafner	122	117	130		
Taylor	128	114	65	153	
O'Mara		139	129	139	
Stewart		137	123	105	
Herrington		85	90	122	
Troy		78			
Weathered		106			

At Flatbush.

Thursday evening, December 28, was a hilarious occasion at the bowling alleys, it being the date of the annual "mysterious prize" drawing. The best average for the evening was made by Eugene Dailledouze and a case of high grade liquid refreshments was his reward. Theo. Lang drew a package of a similar nature; it lasted about two minutes and a half after Theodore had taken the company into his confidence. A box of collars fell to Alfred Zeller's lot. What they lacked in length they made up for in height, being of the most pronounced "tower" style. Boxes of cigars, tobacco jars, etc., made up the bulk of the prizes. Papa Zeller made his customary felicitous little speech and promised to be on hand in the same capacity in 1901. David Y. Mellis, having recently been made chaplain of his lodge, cannot now be expected to exhibit his former triskiness, and was becomingly sedate throughout the exercises of the evening. Theodore Lang and J. P. Cleary were the only visitors.

At Denver.

Following are the scores made by the Denver Florists' Bowling Club, on December 26:

Player	1st	2d	3d	Av.
Chas. Franz	159	176	201	179
A. E. Mauff	180	196	158	178
John Berry	181	157	158	165
P. C. Gallup	137	161	193	164
Rob't Kurth	111	185	175	157
Chas. Mauff	157	181	123	152
G. W. Brenkert	124	152	162	146
Geo. Zimmer	135	163	130	143
A. L. Lewis	103	132	161	132
Ed. Emerick	113	121	151	128
A. A. Benson	135	123	124	127
Don Scott	129	138	113	123
John Ferris	122	123	118	121

Our Boiler Explosion.

How many practical florists are there, who, if called upon, could perform the duties of fireman and do it with safety to themselves and the property in their charge? With high pressure boilers the dangers are many but with the modest low pressure ones danger is ever present, as the writers have found out at a very dear price. It is for the benefit of others, who, for the sake of economy, have undertaken the responsibility of night and day fireman besides the other regular duties, that this article is written.

We have a cast iron, upright, sectional boiler—capacity 1500 feet of radiation—using hard coal. On Christmas day, at 9:30 a. m., steam was shut off entirely, the day being bright. The fire was then banked and the check draft opened. The steam quickly dropped to zero on the guage. About 10:30, however, it began to get cloudy, making it necessary to turn on steam. All the valves in the flow pipes and all the returns were shut tight. Now comes the interesting point. The main valve of one house was being gradually opened, when, with a loud crash, two sections burst asunder, sending the contents over the floor. In a twinkling, the bright prospects for the future had vanished and merciless destruction stared us in the face. Outside the temperature was many degrees below freezing and was rapidly sinking, going as low as 8° below zero during the night. It was time to act and act quickly. No time could be spared to hunt and set up stoves, so fires were kindled in the paths and for thirty long hours, while the boiler was being repaired, we kept the houses from freezing in this way.

After the excitement was over and the fire was again kindled, the cause of the accident was the first thing to demand our attention. A committee of experts after careful examination of the ruptured section, pronounced it sound and without a flaw. The lower section that was broken, being the firepot, and least injured, was squeezed together with a strong iron band and is now doing good service. The decision was that when the valve was opened the water suddenly lifted and drained the lower sections, leaving them exposed to the fire. When the cooler water in the returns struck these heated surfaces, the result was the disaster described above. Up to this time we had always waited until we had ten or fifteen pounds pressure before opening the valve, but this time less than a pound was registered. Here lies the secret of it all. Had the pressure been high enough to prevent the water from rising we would have saved many dollars and we hope that our brother florists may profit by our experience and not suffer as we have.

It may be of interest to know how the plants stood the long exposure to smoke, which was so thick at times as to nearly suffocate the attendants. Coleus, heliotrope, ferns and cinerarias were nearly ruined. Roses, smilax, lilies, geraniums and other bedding stock were considerably injured. Carnations, violets, vincas, callas and palms came through apparently uninjured. Fuschias and cyclamens were uninjured, Chinese primroses partially. Although we had a very good business it turned out to be a not very merry or profitable Christmas for us but one long to be remembered.

LORD & JOHNSON.

Owatonna, Minn.

OCALA, FLA.—Goodman & Spellman are meeting with excellent success and are filling many orders from a distance for flowers and plants.

FREMONT, NEB.—David Nicol has sold his interest in the Fremont Greenhouse to C. H. Green, who will continue with H. E. Mitting as foreman.

GREAT BARRINGTON, MASS.—A tract of land in the heart of the Berkshire Hills has been presented to the trustees of Public Reservations by Helen C. Butler, of New York, accompanied by an endowment of money for care and maintenance perpetually for public enjoyment. The tract includes about 260 acres of land, embracing Monument Mountain, and is noteworthy for its natural beauty.

ROOTED CUTTINGS.

Verbenas, 40 varieties, 60c per 100; $5 per 1000. Petunias, 30 kinds, $1.25 per 100. Heliotrope, 15 kinds, $1 per 100. Coleus, 30 kinds, 70c per 100; $6.00 per 1000. Ageratums, 3 kinds including Princess Pauline, 70c per 100. Alyssum, double, $1 per 100. Apple Geraniums, $1.75 per 100. Lantanas, 4 kinds, $1.25. Salvias, 3 kinds, $1 per 100. Express prepaid and satisfaction guaranteed. Cash with orders. No checks accepted. Write

S. D. BRANT, CLAY CENTER, KANS.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

BOSTON FERN...

2¼-in., $5.00 per 100; 5 -in., 50.00 per 100. | 8 and 10-in. pans, from 75c. to $1.50 each.

Nephrolepis Cordata Compacta 2¼-in., $5.00 per 100, 8 and 10-in. pans, fine, $1.00 to $1.50 each.

Geraniums, S. A. Nutt, etc., rooted cuttings from soil, $1.50 per 100, $15.00 per 1000.

Asparagus Sprengerii, 2¼-in., $5.00 per 100.

CASH PLEASE. CARL HAGENBURGER, W. Mentor, O.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.



JAPANESE FERN BALL—IN LEAF.

FOR SPRING SALES

we have just received a large consignment of

Japanese Fern Balls

of fine shape and in perfect condition.
Each, 50c.; per doz., $4.00; per 100, $30.00.

Prices quoted for larger quantities on application.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

October Potted Plants.

		Per 100
10000	Chinese Primulas, fine	2¼-in., $1.50
40000	Alternantheras, 4 varieties	" 2.00
5000	Feverfew Little Gem	" 2.00
2000	" yellow foliage	" 2.00
10000	Coleus, 15 varieties, fine	" 1.50
10000	Begonias, 15 " "	" 2.00
2000	Forget-Me-Not, winter bloomer	" 2.00
2000	Obconica, extra strong	" 2.00
2000	" "	3¼-in., 3.00
2000	Iresines, red "	2¼-in., 2.00
1000	Mesembryanthemum Ereclum	" 2.00
1000	California Moss	" 2.00

5 plants at 100 rates.

CASH. We have only what is in this ad. for sale.

W. H. MURPHEY, Minooka, Ill.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN,

in all sizes from

$5.00 per 100, $40.00 per 1000 to

SPECIMEN PLANTS at

75c., $1.00, $2.50, $5.00 and $10.00 each.

Further information cheerfully given.

SATISFACTION GUARANTEED.

EDWIN LONSDALE, Chestnut Hill, PHILA., PA

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots 18.00
Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.

Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

HOME GROWN PALMS

		Pots	Per doz.	Per 100
Kentia Belmoreana	3-in.		$3.00	$23.00
" "	4-in.		5.00	40.00
	Size	Char.		
	Pots.	Leaves.	High.	
" "	5,	5-7	18-24,	$9-$12 $70-$90
" "	6,	7-8	20-25,	18 144
" "	7,	7-8	36-40,	30-36 240-290
Kentia Forsteriana, 3-in. $2 50 per doz.; $20 per 100				
" "	4-in. $5.00			$35 "
" "	5,	5-6	24-30,	$9-$12 $75-$95
" "	6,	7-8	25-30,	18 144
" "	7,	7-8	35-42,	28-30 225
" "	8-9	7-8	$3.00 to $4.00 each.	
Latania Borbonica, 2-in.			.50	3.00
" " 3-in.			1.25	16.00
" " 4-in.			3.00	23.00
" " 5,	5-8	15-20,	5.00	40.00
" " 6,	6-8	16-24,	8.50	65.00
" " 7,	6-8	18-24,	12.00	90.00
" " 8,	7-8	28-34,	22.00	175.00
" " 9,	7-9	28-36,	34 00	272.00

Ficus Elastica, 5-inch, doz. $5.00; 6-in. $8.00 doz.
Livistonia Rotundifolia, 7 in., 12-14 leaves, $2-50 to $3.00 each. Pandanus Veitchii, 4-in. to 14-in., 50c to $10 each. Boston Ferns, 5c to $2.00 each. Cycas, Dracænas, Asparagus, etc., in large variety.

We have over 150,000 Tropical Plants. Term cash, but inspection allowed at express office.

ALBERT FUCHS,

2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.



VERBENA KING.

The largest Verbena grower in the world (Bros. & Sisters); we have them, too, the very best mammoth named vars. on earth and sure to please you at the following prices—60c. per 100. $5.00 per 1000; 5000 for $22.00, 10,000 for $40.00. Write for prices on larger lots.

Look here! we pay express charges on all Rooted Cuttings, and beside, we guarantee satisfaction in every shape or manner and we will do it for

THAT CASH, PLEASE.

C. Humfeld, Clay Center, Kans.

Please mention the American Florist when writing.

Asparagus Plumosus Nanus

STRONG STOCK.

2-inch..... $4.00 per 100; $35.00 per 1000
3-inch..... $7.00 per 100; $65.00 per 1000

S. S. SKIDELSKY,
730 Pine Street, PHILADELPHIA.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

IMPORTANT.

Every retail Florist should have our descriptive wholesale price list of SPECIALTIES, there is money in it for every man in the trade, a few of the good things mentioned below.

CARNATIONS, Rooted Cuttings; 24 choices and varieties; up to date. Lowest prices. Finest stock offered by any one.

ROSES, Rooted Cuttings. Strictly first-class stock and lowest prices. Be sure to secure list before ordering.

VERBENAS, 20th Century set 32 grand mammoth varieties selected from over 100 of the choicest, including the latest Capt. Dreyfus, Helen Gould, Melba and many others. Clean, healthy, vigorous plants of the most fascinating colors and shades, Extra strong 2-in. full of cuttings $2.00 per 100, $18.00 per 1000; extra strong rooted cuttings 60c. per 100; $5.00 per 1000.

DBL. FRINGED PETUNIAS Dreer's and Henderson's latest, known the world over as the standard of perfection, 12 gorgeous varieties. True to name. Extra strong 2-in. $2.00 per 100, $18 00 per 1000; extra strong rooted cuttings, $1 per 100, $8 per 1000.

6000 GERANIUMS, Bruantt (the great scarlet bedder), S. A. Nutt, La Favorite, Athlete and Sweet scented—strong, 2½-in., 3c.; $27.50 per 1000.

NEW GIANT CALIFORNIA WHITE MARGUERITE and New Golden; they sell on sight, extra strong 2½-in, $2.50 per 100; extra strong rooted cuttings $1.00 per 100.

SALVIA SPLENDENS, the old stand by, no other so good. Extra strong 2½-in. $2 50 per 100; extra strong rooted cuttings, $1.00 per 100.

AGERATUM PRINCESS PAULINE, the great novelty of '98, the only one to grow. Extra strong 2½-in. $2.50 per 100; extra strong rooted cuttings, $1.00 per 100.

VINCAS, MAJOR AND VARIGATIA, extra strong rooted cuttings, $1.00 per 100.

SMILAX SEEDLINGS, extra strong, bushy plants (seed sown August 1st), 50c per 100; $4.00 per 1000 by mail. Extra strong, 2½-inch, 2c. Six foot strings, 12½c.

TERMS STRICTLY CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Please mention the American Florist when writing.

SPECIAL SALE

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, in bud and bloom, from 4-inch pots, $1.50 per dozen; $12.00 per 100.

Chinese Primroses, fringed foliage, finest market vars. from 2 in. pots, $2 per 100; from 2½-in. pots $2 50 per 100; from 3-in. pots, fine plants in bud $4 per 100. From 4-in. pots, extra strong, in seven colors, including double white, red and single blue, all well set with buds, $1 doz.; $8 per 100.

All the above warranted A No. 1 stock.

PAUL MADER, East Stroudsburg, Pa.

Orchids!

We are headquarters for established and imported Orchids in the United States.
Our new price list will be ready Jan 1, 1900.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

ALTERNANTHERA, RED AND YELLOW, Rooted Cuttings, per 100 50c. per 1000 $4.00. Selaginella Denticulata, extra fine, 2-in. per 100 $2.00.

E. I. RAWLINGS, Quakertown, Pa.

Buffalo.

RETROSPECTIVE VIEW OF CHRISTMAS.—PLANTS MAKE UP THE VOLUME OF A SATISFACTORY BUSINESS.—BUYERS REBEL AT HIGH PRICES.

The holidays are past and I think we are all satisfied, at least the Christmas business was heavy, with most of the stores undoubtedly larger than last year. But the increase was on plants, not in cut flowers or in prices. Plants were our strong hold and sold well at fair prices. Poinsettias were the leaders and most of them were much improved by dressing in crepe paper and ribbon. We were told two or three weeks in advance that roses, carnations and violets would be scarce and high and we ordered sparingly. There certainly was a drop in the sale of cut flowers. The regular, all-the-year-around buyers declined to pay the prices and either chose plants or something altogether outside our line. It is a certainty that, whatever may be the case in New York and Philadelphia, one cannot get these great holiday prices in Buffalo. As I said at Easter, the sooner the growers give up the notion that they can make Christmas and Easter pay the whole year's expenses, the better it will be for all of us. The retailer has to satisfy his customers, whatever the grower has to do, and Buffalo will not stand for violets at $4 a hundred, Brides and Bridesmaids at $4 a dozen, Beauties $2 apiece and carnations $2 a dozen, even if the qualities are the best. On Christmas day the growers sent in great quantities of stock which should have arrived one or two days before to be of use, but of course it all moved sooner or later for trade has been good and stock scarce. There have been several receptions, some banquets and a few funerals to keep things moving and everyone seems to be sharing in a general prosperity. W. A.

CARNATION CUTTINGS.

ready to ship now. Guaranteed well rooted or money refunded.

"OLD CHESTNUT."

but we say expressman must allow purchaser to examine cuttings before accepting and if not satisfactory must take the same back.

White Cloud, $2.50 per 100 or $20 per 1000; **Mrs. Joost**, $2.50 per 100 or $20 per 1000; **Melba**, $4 per 100 or $30 per 1000; **Mrs. Bradt**, $3 per 100 or $25 per 1000; **Victor**, $2.50 per 100 or $20 per 1000; **Mayor Pingree**, $1 per 100 or $7.50 per 1000; **Daybreak**, $1.25 per 100 or $10 per 1000; **Scott**, $7 per 1000. *Cash with order.*

CARL E. TAUBE,

Mercer Floral Co. TRENTON, N. J.

FOR SALE.

CARNATION CUTTINGS, well rooted, CLEAN STOCK of Mrs. Fischer for Summer blooming, and other vars., at $1 per 100.

J. C. MURRAY,

401 Main Street, PEORIA, ILL.

CARNATION CUTTINGS!

Now ready of all the Leading Varieties.
ALL STOCK GUARANTEED A1.
If not satisfactory money refunded.

CHICAGO CARNATION CO.,

Greenhouses and address, JOLIET, ILL.

Carnation Cuttings

GENESEE.

The Best Commercial White to Date.
$3.00 per 100; $25.00 per 1000.

JOHN VAN DER WAL,

1730 W. 107th St., Station 48, CHICAGO, ILL.

CARNATION CUTTINGS.

	Per 100	Per 1000		Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00	FLORA HILL	$2.00	$15.00
G. H. CRANE	5.00	40.00	GOLD NUGGET	2.00	15.00
AMERICA	5.00	40.00	TRIUMPH	2.00	15.00
MELBA	4.00	30.00	DAYBREAK	1.25	10.00
LESLIE PAUL	4.00	30.00	ARGYLE	1.25	10.00
GOV. GRIGGS	4.00	30.00	ARMAZINDY	1.25	10.00
MRS. BRADT	3.00	25.00	LIZZIE McGOWAN.	1.00	7.50
FRANCES JOOST	2.50	20.00	EVELINA	1.00	7.50
EVANSTON	2.50	20.00	MAYOR PINGREE	1.00	7.50
JUBILEE	2.50	20.00	WM. SCOTT	1.00	7.50
VICTOR	2.50	20.00	NIVEA	1.00	7.50
WHITE CLOUD	2.50	20.00	MORELLO	1.00	7.50

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Peter Reinberg, 51 WABASH AVE., **Chicago.**

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

Grown equally successfully by Hill, Craig, and myself; you are not buying it on a venture, but knowing that it is not a success in one soil and a failure in another. In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants, never out of crop from September to July, more flowers to the square foot than any other known variety and practically no seconds. With 18,000 stock plants to work from there is no danger of over propagation, and you are not asked to wait until planting out time for your cuttings but can have them whenever wanted. Orders entrusted to me will have my personal attention, both in the selection of the cuttings and the filling of the order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES at $4.00 now, and a regular assortment of CARNATIONS in a list ready Jan. 1st.

ALBERT M. HERR, Lancaster, Pa.

Rose Crimson Rambler

As a pot plant for retail sales this rose is incomparable. Its hundreds of blossoms all open together and seem to improve for at least two and even three weeks. The bright crimson color holds without fading and contrasts finely with the glossy foliage. It Forces Easily. We have fine dormant stock.

2-year-old, 2 to 3 feet, well branched, own roots, per dozen, $2.00; per 100, $15.00.
3-year-old, 4 to 5 ft., well branched, budded or own roots, doz. $3.00; per 100, $20.00.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

Carnations. ROOTED CUTTINGS

SEND FOR PRICES.

ALL THE NEW AND STANDARD VARIETIES.

Geo. Hancock & Son, Grand Haven, Mich.

Field-Grown CARNATION PLANTS

ALL SOLD EXCEPT

800 EMILY PIERSON, 100 SILVER SPRAY,
200 MORELLO, 100 SAGINAW.

Will sell the above lot at one-half of cost price to grow, if taken at once. Plants are protected in cold frames and are in fine condition.

CHAS. CHADWICK, L. B. 11, Grand Rapids, Mich.

FOR SALE.

Good, healthy MRS. FISHER CARNATIONS, rooted cuttings for summer blooming, $1.00 per 100, $8.00 per 1000.

WM. SCOTT, $1.00 per 100.

ANDREW CHRISTENSEN, Stoneham, Mass.

We've thousands of readers and hundreds of advertisers. Each helps the other.

Finest Forcing Roses

	2½-in. Per 100	3½-in. Per 100
BRIDE	$2.50	$4.00

Also Soupert, Hermosa, DeGraw, Kruger and a full line of roses from 2½-inch pots, at low prices. Send for prices. Cash with order.

Asparagus Sprengerii, 2½-in. pots; Asparagus plumosus nanus, 2½-in. pots, strong plants, $5 a 100.

THE NATIONAL PLANT CO., Dayton, O.

Please mention the American Florist when writing.

New and Standard Varieties of

CARNATIONS.

F. DORNER & SONS CO., LaFayette, Ind.

Please mention the American Florist when writing.

CARNATION CUTTINGS.

We are booking orders for

LAWSON, OLYMPIA, MARQUIS, ETHEL CROCKER AND GENEVIEVE LORD

at introducers' prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY, Sta. F, Cincinnati, O.

GENEVIEVE LORD.

THE peer of any light pink Carnation ever offered to the trade. A commercial triumph. Its beautiful color, large size and its matchless length and stiffness of stem make it, beyond a doubt, the queen of its class. There is nothing like it. We offer it to the commercial grower as a money getter of the first magnitude.

As an exhibition flower, it ranks high. It will take care of itself in its class. It has carried off the highest honors wherever shown. The blooms are now being sold in the most critical market and bringing highest prices. It will not be over-propagated. Our book will close as soon as the limit is reached. Order early and be sure.

$75.00 per 1000, $10.00 per 100, $2.00 per doz. Delivery Feb. 15th.

Send for complete description of above. Also MRS. THOS. W. LAWSON, OLYMPIA, THE MARQUIS and ETHEL CROCKER, at introducers' prices.

H. Weber & Sons, OAKLAND, MD.

LIBERTY. LIBERTY. LIBERTY.

BEING all sold out of grafted plants of Liberty Rose, I hereby announce that after Jan. 8th, 1900, no more orders for grafted plants can be taken for this year's delivery.

Only a limited supply of own rooted plants left to sell. Order quickly if you want any for this season.

PRICE for own rooted plants out of 2½-in. pots, for April delivery, as follows.....

12 plants	$0.60 each
25 "	.50 "
50 "	.30 "
100 "	.25 "
1000 "	.20 "

ERNST G. ASMUS, West Hoboken, N. J.

AGENTS— VAUGHAN'S SEED STORE, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO., Tarrytown, N. Y

100,000 R. C....

CARNATIONS, Ready.

Per 100	
Mrs. Thos. W. Lawson, pink	$14.00
Ethel Crocker, "	10.00
Olympia, variegated	10.00
The Marquis, pink	10.00
Genevieve Lord, pink	10.00
G. H. Crane, scarlet	4.50
America, scarlet	4.00
Melba, light pink	3.50
Mrs. Geo. M. Bradt, variegated	3.00
Glacier, white	4.00
Maud Adams, dark pink	3.50
Gomez, dark red	4.00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3.00
Argyle, pink	1.25
Triumph, "	1.50
Daybreak, shell pink	1.00
Empress, dark red	1.00
Flora Hill, white	1.50
White Cloud, "	2.50
Mary Wood, fine white	3.00
Jubilee, scarlet	1.50
Psyche, variegated	1.50
Morello, dark scarlet	1.50
Wm. Scott, pink	1.00
Lizzie McGowan	1.00

5 cuttings at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

"NOT A CENTURY PLANT, BUT THE PLANT OF THE CENTURY"

is Begonia

GLOIRE DE LORRAINE

Our plants are fine and in very thrifty condition.

$3.50 per doz., $25.00 per 100.

Our stock is sportively inclined. We already have a delicate pink variety and one with partly white flowers.

EDWIN LONSDALE, Chestnut Hill, ...PHILA. PA.

There are buyers for all kinds of stock advertised in the American Florist.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	$40.00
MRS. BRADT	3.00	25.00
WHITE CLOUD	2.50	20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
PAINTED LADY	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000
KAISERIN	$2.00	$17.50
LA FRANCE	2.00	17.50
PERLE	1.50	12.50
METEOR	$1.50	$12.50
BRIDE	1.50	12.50
BRIDESMAID	1.50	12.50

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

GIVE US LIBERTY

Will be the cry when the plants are all sold.

Our stock of **LIBERTY,** the greatest crimson scarlet Rose ever introduced, **IS ALL SOLD FOR MARCH DELIVERY.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock, should order at once.

OWN ROOT PLANTS, from 2½-inch po's.

50 plants or more, and less than 100, 30 cts. each
100 plants and up to 1000, 25 cts. each
1000 plants and over, $200 per 1000
3-inch pot plants, 5c each additional.

GRAFTED PLANTS, from 2½-inch pots

50 plants or more, and less than 100, 50 cts. each
100 plants and up to 1000, 40 cts. each
1000 plants or more, $350 per 1000
3-inch pot plants, 5c each additional.

ROBERT SCOTT & SON, Sharon Hill, Delaware Co., Pa.

Eastern Agents, ROBT. CRAIG & SON, 49th & Market Sts., Philadelphia, Pa.

Western Agents, BASSETT & WASHBURN, 76-78 Wabash Ave., Chicago, Ill.

Please mention the American Florist when writing.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA.

HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**

The Exotic Nurseries, DAYTON, OHIO.

Tarrytown, N. Y.

At the December meeting of the Tarrytown Horticultural Society the following officers were elected: President, Wm. Turner, gardener to Wm. Rockefeller; vice-president, Wm. Stevenson, gardener to Chas. Graef; secretary, Wm. F. McCord; treasurer, E. W. Neubrand; executive committee, Wm. Scott, J. W. Smith, F. Gibson, John Egan, Robt. Angus, Jas. Nicol and J. J. Connellan. Four new members were received.

Following the election, the members present, some seventy in number, repaired to the banquet hall, which was tastefully decorated, and partook of an excellent repast. Wm. Scott acted as master of ceremonies and in the entertainment of the company was assisted by Judge Andrews, F. R. Pierson, J. W. Withers, John Shore, J. I. Donlan, W. E. Marshall, J. T. Scott, John Laaffe and Messrs. Butterfield, Angus and White.

There were several excellent exhibits of carnations and roses. Wm. Turner was given a certificate of cultural merit for New York carnation and Mrs. Morgan rose. He also received special mention for a vase of Bridesmaid roses, as did Mr. Cockburn for Melba carnations.

J. T. S.

DANVILLE, ILL.—Frank B. Smith & Son have rebuilt their range of glass during the past season and are now heating by means of a new steam boiler. They will put up another house, 25x150, in the spring.

STATE FLORISTS' ASSOCIATION OF INDIANA.—The fourteenth annual meeting of this society will be held at the Horticultural Rooms, State House, Indianapolis, Tuesday, January 9, 1900, at 2 p. m. A full attendance of the members is desired.

FOR 1900.



FOR 1900.

HIBISCUS PEACHBLOW.

This is one of the finest plant novelties offered in recent years. The flowers are double and from 4 to 5 inches in diameter. Color a clear, rich pink with a small, deep crimson center, an entirely new and most beautiful shade. 2½-inch pot plants, per dozen, $1.50; per 100, $10.00. March.

AGERATUM STELLA GURNEY.

The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen, $1.25; per 100, $8.00. March.

VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.

CHOICE STOCK

For PRESENT Trade.

	Per 100
CYCLAMEN, 4 colors, 2½-in. pots	$5.00
ASPARAGUS SPRENGERII, 2½-in., extra strong	6.00
" " 3-in. pots, very large, 8.00	
PRIMROSES (Chinese), 3-in. pots	5.00
" " 4-in. pots	8.00
" " 6-in. pans...$3.00 per doz.	
" (Obconica grandiflora and hybridum), same size and price as Chinese Primroses. All in bud and bloom.	

NATHAN SMITH & SON, Adrian, Mich.



3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."

IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other. **Large clumps, ready to divide,** $5 per 100 or 25 for $1 50 by express. Smaller ones by mail prepaid, same price. **A few hundred EXTRA LARGE CLUMPS,** $10 per 100, $1.50 for 12.

ASPARAGUS SPRENGERI 2½-inch, fine, $4.00 per 100; 3½-inch $7.00 per 100.

A BARGAIN. Fine 6-inch pots, will give lots of green, 25 for $5.00; 12 for $2.50.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

THE LACE FERN, POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

THE ORANGE VIOLET. (Browallia Jamesoni). Fine plants 3½-inch pots $1.25 per 12, express.

THE GENUINE EDELWEISS OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. **10 for $1, 25 for $2, mailed free.** Send for sample flower.

A. BLANC, PHILADELPHIA, PA.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

GERANIUMS Richard Blett, Beaute Poitevine, Mrs E. G. Hill, Wonder, Brugantii, Marguerite de Layers, $20 per 1000; 2¼-in. pots of the same, $30 per 1000. $3 25 per 100. S A. Nutt, La Favorite, Jas. Garr, Double Grant and several other good bedders, $15 per 1000; 2½-in. pots, $2 per 1000, $2.50 per 100.

Rose Geraniums, $2.00 per 100.

Skeleton Rose, $2.00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots, $1.25 100.

ACERATUM, Blue and White, 75c per 100. Princess Pauline, $1.00 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100.

HELIOTROPE, 6 varieties, named, $1.00 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS, $1.50 per 100; 2½-in. pots, $3.00 per 100.

The above are rooted cuttings, except when noted.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

TO CLOSE OUT for want of room, the following plants, ready for a shift.

		Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.	$8.00	
1000	" "	2-in.	5.00	45.00
5000	Pteris Tremula	"	2.50	20 00
2000	" Ensifolia	"	2.50	20.00
2000	" Serrulata Max	"	"	"
3000	" Longifolia	"	"	"
2000	" Serrulata	"	"	"
2000	" " Compacta Nana	"	3.00	25.00
1000	" Onardia	"	2.50	20.00
1500	Nephrolepis Bostoniensis	2½-in.	5.00	40.00
2000	" Cordata Compacta	"	4.00	35.00
2000	" Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

FINE STOCK. **PANSIES,** AT LOW PRICES.

....THE JENNINGS STRAIN....

200,000 fine, stocky plants in cold frames. Large-flowering; superb colors; many are curled and fringed. 100 plants by mail, 60c.; 1000 by express, $3.50. Large plants in bud, 50c. per 100, ex. Seed of above, $1 per pkt., $5 per oz. 100 fine Pansy blooms by mail, 50c. Seed and plants can also be had in separate colors, same price.

100 choice mixed **Gladioli,** 50c. 100 extra large scarlet **Amaryllis** bulbs, $6. Medium size, $4 per 100. Samples sent for 10 cts. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

THE BOSTON FERN A SPECIALTY.

Only orders booked at.....$5.00 per 100, $40.00 per 1000.

L. H. FOSTER, 45 King St., DORCHESTER, MASS.

Force! Force! Force!

	Per 100
SPIRAEA Japonica	$3.50
" Compacta	5.00
" Astilboides floribunda	5.00
" Japonica aurea reticulata	5.00

Extra fine and decorative.

PAEONIA Officinalis rubra pleno	10.00

This is the true dark crimson variety, the earliest flowering Paeonia in existence, and the only one good for forcing.

	Per 1000
LILY OF THE VALLEY, selected pips, (German)	$12.00
GLADIOLUS Colvilli The Bride	4.00
" " Rubra	4.00
" May...per 100, $2.50,	20.00

Pure white, finely flaked rose, the best for greenhouse planting.

Bobbink & Atkins,

RUTHERFORD, N. J.

Please mention the American Florist when writing.

Verbenas.

75,000, all standard named sorts, much superior to the home made named seedlings often sent out. Guaranteed all true to name.

REDUCED PRICES.

Rooted Cuttings, well rooted

60c. per 100; $5.00 per 1,000; 5,000 for $22.00
10,000 for $40.00; 25,000 for $75.00.

In larger lots, write for prices.

We don't care where you live—guaranteed to reach you in good shape. Sent Prepaid.

Send for Price List of Other Stock.

S. T. DANLEY

MACOMB, ILL.

PANSIES

FINE PLANTS. Large Flowing Strain, 50c. per 100, $2.50 per 1000.

PANSY SEED. Non plus ultra, $4.00 per ounce. CASH PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

1900. HAPPY NEW CENTURY. 1900.

"Green Goods."

"Write, Telegraph or Telephone."

Galax Leaves—Brilliant Bronze $1 per 1000
" " Brilliant Green .$1 per 1000
Leucothoe Sprays.....$1 per 100
Wild Smilax " hand picked" brand.....50 lb. case, $6.50
Wild Smilax, "hand-picked" brand.....35 lb. case, $4.50
Palm Leaves, "fresh green".$2.50 per 100
Needle Pines..... $1.50 to $2.50 per 12
Fancy Ferns, Dagger Ferns, Etc., Etc.

HARRY A. BUNYARD,
42 W. 28th St., NEW YORK CITY.
Telephone 2765 Madison Square.



PREPARED TROPICAL PALMS —AND— CYCAS ..LEAVES.

Send for Catalogue.

Ostertag Bros., Florists,
Washington and Jefferson Aves., ST. LOUIS, MO.

Grandest Geranium Under the Sun, AMERICA,

flowers large, opening white, changing through all salmon and rose shades into deep, clear rose color. Habit very dwarf; the most floriferous Geranium of the day—50c. each, $5.00 per doz.

Geranium Mars, 2¼-in. pots, $5.00 per 100.
CASH PLEASE.

HENRY EICHHOLZ, - Waynesboro, Pa.

ASPARAGUS 2½ INCH POTS

SPRENGERII } $6 per 100.
PLUMOSUS NANUS } FINE STOCK

JACKSON & PERKINS CO.,
Newark. New York.

ROOTED COLEUS CUTTINGS,
Separate Colors, 80c per 100.

BLOOMING CYCLAMENS,

4 and 5 in. pots, 20 to 30 cts apiece; $2 to $3 per doz. Send in orders for Cyclamen Seedlings, my own strain, the best obtainable, ready March 1st, $3.00 100; in 4 separate colors. Would exchange for Cyperus alternifolius, Rex Begonias or Palms.

C. WINTERICH, DEFIANCE, O.
Please mention the American Florist when writing.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants—2½ in., $2 00 per 100; $5.00 per 300; 3-in., $3.00 per 100; large plants, 4-in., $1 00 per doz.

SHELLROAD GREENHOUSE CO.,
....Grange P. O., Baltimore, Md.

Named varieties of GERANIUMS.
4000 S. A. Nutt, 1000 La Favorite, } per 100.
1000 J. Y. Murkland, }$2.00

VINCA VINES.

A few 4-inch pot plants.....$6.00
" 3-inch " 4.00
8000 rooted cuttings..... 1.50

All Geraniums and rooted cuttings have been planted in flats for 2 months past. Cash with order.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

FOR SALE CHEAP.

GLASS for Greenhouses, Conservatories, Hot-beds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

RED POTS



FOR THE MILLION.

Sample Pot with Price Mailed Free.

C. C. POLLWORTH CO.,
FLORISTS' SUPPLIES.
Milwaukee, Wis.



Please mention the American Florist when writing.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in. pots in crate,	$4.88	120 7-in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	5 00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

HILFINGER BROS. POTTERY,
OR.... FORT EDWARD, N. Y.
AUGUST BOLKER & SONS, New York Agents
52 DEY STREET, NEW YORK CITY.



GEO. KELLER & SON,
MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Please mention the American Florist when writing.

GOLD FISH and AQUARIA SUPPLIES

	SEND FOR PRICE LIST	Per 100
Select Gold Fish, medium to large		$10 00
Good Gold Fish, medium to large		7.50
Good Gold Fish, small to medium		5 00
Select Silver Fish, medium to large		5.00

Large variety of Fancy Fish.

CHRISTMAS WREATHING, wound on card, heavy quality, $3.00 per 100 yards. ☞ Cash with orders

Keenan's Seed Store, 6112-6114 Wentworth Ave., CHICAGO.

CABBAGE PLANTS.

Jersey Wakefield and other vars. from cold frames, transplanted, 25c per 100; $1.50 per 1000; $12.50 per 10,000. If by mail add 20c per 100.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.
Please mention the American Florist when writing.

BOSTON FERNS,

From 2½ in. pots, $5.00 per 100.

J. W. DAVIS, Morrison, Ill.



STANDARD FLOWER POTS

FIRST QUALITY.			CHEAM COLOR.		
1¾ in., per 1000		$2 40	3½ in., per 1000,		$ 4 95
2 in.,	"	3 75	4 in.,	"	6 20
2½ in.,	"	3 35	5 in.,	"	10 80
3 in.,	"	4 70	6 in.,	"	16 50

Package extra.

C. HENNECKE CO. MILWAUKEE, WIS.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST,
28th and M Streets N. E. WASHINGTON, D. C.

Standard Pots Made by KELLER BROS.

Good Railroad Facilities For shipping.
Special Attention Given to Mail Orders, and Special Sizes Made to Order.

NORRISTOWN, PA.

Price Lists Furnished on Application.

FLOWER POTS
ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

J. G. SWAHN'S SONS, P. O. Box 73, MINNEAPOLIS, MINN.

St. Paul.

THE OLD YEAR GOES OUT WITH A RUSH.—TRADE GOOD AND CHRISTMAS PRICES PREVAILING.—PLANTS SOLD WELL AT CHRISTMAS.—RED FLOWERS IN DEMAND.—PICKLED STOCK A MENACE.

Holiday trade has been very satisfactory, Christmas sales being especially gratifying. Everything sold well and the aggregate is, I think, the largest in the history of the dealers here. Much inferior holly was seen though some very choice stock was offered. Mistletoe was scarce and generally inferior. Some very fine stock came in from western Texas and New Mexico. Bouquet green was very plentiful and sold readily when made into wreathing. All kinds of plants sold well. Azaleas were the favorite. Baby primroses and Primula obconica grandiflora were the novelties and sold fairly well. In cut flowers there was a lamentable shortage of good Beauties, Meteors and red carnations. Other stock was fairly abundant, there being somewhat of a surplus in white. Swanson had a few good poinsettias, which seemed almost like a novelty, as they have not been grown here for several years.

Home grown stock was very good, the bright weather increasing the quantity and improving the quality of the cut. Shipped in flowers, however, gave many evidences of pickling, disgusting the average store man and hurting his trade. Many people do not object to paying high prices for a choice article but nearly every one objects to paying fancy prices for inferior stock. The growers may gain for the time being, but they lose the rest of the season. I do not deprecate high prices, for the average grower realizes little enough, but high prices and inferior stock are not compatible.

The country trade was simply immense and shippers were fairly swamped with orders. New Year's was clear and cold with trade fully up to the average and Christmas prices ruling. FELIX.

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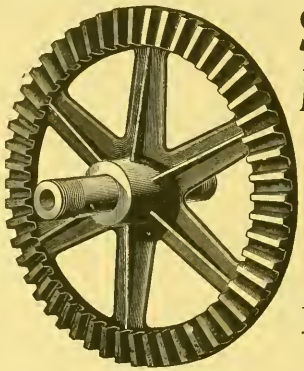
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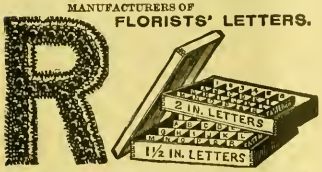
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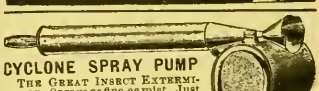
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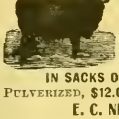
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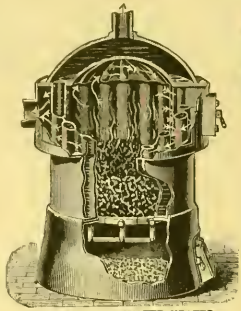
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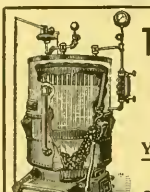
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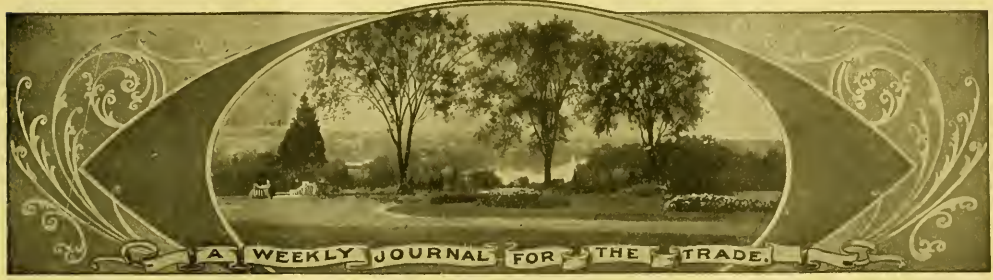
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Vol. XV. **CHICAGO AND NEW YORK, JANUARY 13, 1900.** **No. 606.**

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Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Eden Musee, 23d St., New York, March 27-29, 1900. Paul M. Pierson, Scarborough, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Buffalo, February 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Horticulture in the United States.

[Read by John N. May, Summit, N. J., before the Lenox Horticultural Society, on January 6, 1900.]

In reviewing the progress of horticulture for the last thirty years in this country, a very wide field is opened and one which can only be touched upon in a very limited manner, as to do it justice would take volumes.

The term horticulture as generally applied to-day, simply means an advanced stage of agriculture; yet the two are as distinct in their general application and results as almost any two professions with which I am acquainted. Agriculture in its broadest sense is almost exclusively dependent upon natural atmospheric conditions, for, notwithstanding all the skill and science put into the preparation of the soil for the various crops, the result wholly depends upon nature and the elements. Agriculture as practiced to-day by the larger proportion of the private gardeners and florists of this country is to a very large extent dependent upon artificial appliances, guided by the skill and experience of each individual workman, and they form a very large army of earnest students who are ever on the alert to improve upon the produce of preceding years. It would seem hardly necessary to instance any one particular thing in regard to this matter, yet to make myself clearly understood I would ask if a greenhouse filled with any kind of plant or plants would yield any returns if the gardener had not a good general knowledge of the requirements necessary for the full development of said plants, and these are all treated artificially or virtually so. If left to nature's care the result would be nil and a very large and important part of the gardener's education to-day is to know how to obtain the very best results from these and kindred structures, all treated artificially; hence the line of demarcation between the two branches.

Horticulture thirty years ago, with but very few exceptions, was in a very crude condition in this country generally; the private estates where any skill above that of a good laborer was required were few and far between, and even in many places where a skilled gardener was employed anything like embellishment of the grounds was considered a waste of time and money. The lawns in spring were made to furnish a crop of hay, and after this was cut and cared for by the gardener the cows did what trimming was necessary for the rest of the season; and these were termed nice lawns. Just picture to yourselt any one of the beautiful lawns surrounding the beautiful residences in Lenox being so treated to-day, and you can readily go back three or four decades for the contrast. The great improvements not only as regards the lawns but all other parts of the estates have not been done by magic, but by steady, earnest, skillful application on the part of the men put in charge, and a growing taste for the beautiful among the wealthy classes, for be it said to their credit, I earnestly believe there are no people as a class so ready to appreciate the refined and beautiful as is our American public. We can see that around us in every walk of life. Travel through any of the European countries you may, you will find people of ample means living in the same old-fashioned houses, with scarcely a change in the exterior or interior in the past fifty or more years. In this country improved, modernized houses and grounds are springing up in countless thousands all over the country; in many, very many, instances nice houses less than twenty years old are being rebuilt or improved, enlarged or modernized generally; and so the taste for the beautiful improves from year to year.

With this naturally comes the desire to beautify the grounds, and the assistance of the practical gardener has to be called. In very many instances the future of such a place very largely depends upon what the first artist in landscaping accomplishes. If his work shows that of a master hand and the whole is finished off in harmony with the surroundings, making a complete picture in itself, the owner will invariably be pleased and gratified, and the foundation for future improvements will have been laid. But it is unfortunate that this is not always the case. In very many such cases, in very many such places, the work necessary to make the whole an artistic picture is sadly deficient, not always from the inability of the person employed to superintend the same but by the owner taking the advice of a number of different people, each one having a different opinion of what should or should not be done, with the result, oftentimes, of a conglomaration which in the main is anything but satisfactory. Where such conditions arise the gardener will find diplomacy the best policy to follow and considerable patience, reticence and perseverence will be necessary to overcome such obstacles. When, after trying every reasonable means to that end, it is found impossible to do so it would be far better to resign the position than continue it and have the credit,

after it is all done, of having made a very incomplete and unsatisfactory finish. But as a rule such cases are quite the exception, as the beautiful lawns and grounds of so many nice places all over the country bear ample witness.

The above is only one division in which great improvements are constantly taking place in horticulture. In fruits what an improvement has taken place. The strawberries of to-day and twenty-five years ago are evidence of this improvement. Peaches, pears, grapes and a host of other valuable fruits have each and all been greatly improved within the same space of time. The varieties are far too numerous to enumerate.

Again, in ornamental foliage plants what immense improvements have and are constantly being introduced, the croton family probably having made the greatest strides of any. Their variety and glowing beauty justly places them among the front rank of beautiful foliage plants. Palms, dracænas, begonias, caladiums, marantas dieffenbachias, coleus, alternantheras and many other species have all been vastly improved upon of late years. The same remark holds good for flowering plants. Among these I think there are none where greater improvements have taken place than in the everyday geranium and where a conservatory has to be kept gay with flowering plants the whole year round, they are simply indispensable. Such varieties as John Forbes, Gertrude Pearson, Mme. Landry, Bellerophon, La Fraicheur, Crabbe and Mrs. Gladstone, grown and flowered to perfection, as it was my good fortune to see them recently, are simply grand, and there are a host of others equally good and desirable.

What immense improvement over the old Indian shot plant, as they were termed less than thirty years ago, are the cannas, those grand summer bedding plants. Pansies also come in for their share of glory, and what can be more gorgeous in beauty than a bed well filled with the better varieties of this queen of spring? The heliotropes, gloxinias and fuchsias all show the march of progress. In the front rank of all begonias stands Gloire de Lorraine, a glorious plant for greenhouse or room decoration. There are many others, also of recent introduction, that are exquisitely beautiful. Of azaleas, one of the very finest of all flowering plants, what an infinite variety of beautiful colors have been added to our list. Anthuriums, abutilons, bougainvilleas, acalyphas, cyclamens and hundreds of other species have all added their quota of improvements.

Passing on to the florists' flowers proper, first comes the rose, the queen of flowers. Here, I think you will all agree, has been made a greater advance than in any other one class of flowers. If there are any doubting this, let them compare some of the older varieties such as La Pactole or Safrano with American Beauty, the Bride, Bridesmaid, Marechal Niel, Souvenir de Wootton, Liberty and many others which have made their debut since 1860, and I think the most skeptical must be convinced. Turning to the hybrid remontant class, we have not made such marked advance but have added many gems to the list; to enumerate them would only be tiresome. From the rose let us pass on to the carnation. Here again the hybridizer has given us such grand varieties that it puts the productions of twenty-five years ago absolutely in the shade. About the time named the best known varieties were DeGraw, La Purite and Astoria; follow the development from these through all the innumerable varieties yearly and it will be readily seen that a steady advance has been made. Probably no variety has ever been more generally popular than that gem, Daybreak, but notwithstanding its many good qualities, it has finally given way to superior merit. In scarlet Portia held its own for a long time, but is now hardly grown at all, at least not by those who wish to keep abreast of the times. Wm. Scott held the growers tight for some time by its persistent blooming qualities. Lizzie McGowan was the favorite white for years; all these are now classed as back numbers and are being substituted by such varieties as Triumph, Cerise Queen, Flora Hill, White Cloud, G. H. Crane and others of equal merit. The coming season will see still greater advance in the varieties to be introduced. Most of



A. B. CARTLEDGE.

them have already come before your notice in some form; suffice for me to say that they will all prove valuable where fine flowers are in demand.

Chrysanthemums claim our next attention; that they are not quite large enough for the ladies to carry as sunshades yet we will admit, but that they are fast approaching that size must be conceded. The rapid strides of development in this family is simply marvelous, color, form, foliage and distinctiveness having kept pace with size. Who can foretell where we shall get to? Their season, too, has been extended very much; now they can be had from the last of September till the first of January, if desired, by some of the later introductions. As a decorative flower during their season they stand pre-eminent at the top.

A few words for the annuals and herbaceous plants, for they deserve more consideration than they usually get. In the former are some of the most beautiful of nature's gems and of the latter we certainly are slighting many of the most useful and beautiful decorative flowers known, if they were only grown as they deserve to be.

I cannot close without a word for the vast improvement in horticultural structures. The designers and builders of these to-day are justly entitled to the highest commendation for the great improvements they have and are making in all kinds of greenhouses, not only for the commercial florist but for the private gardener also. Only a comparatively few years ago there was as much wood as glass on the roof of the greenhouses; the glass was of small size, with wide laps which quickly filled with dirt so that very little light in dark days was admitted to the plants. In such houses the gardener's ability was taxed to its utmost. All this has been changed; the modern greenhouse of to-day has scarcely anything to obstruct the sun's rays, ventilation, heating and all the best appliances are under full control. This, in conjunction with greatly improved varieties of plants and flowers, makes it much easier for the gardener or florist to produce a better quality in greater abundance at all seasons of the year than his predecessors ever could hope to do.

Thus the past has given us very many improvements horticulturally; what the future will do is to be seen. Personally I have no doubt whatever that it will bring forth greater changes than we have seen in the end of the nineteenth century, wishing you may one and all live to see and feel for many years the great advance and pleasures which the new century will bring with it.

A. B. Cartledge.

Alfred B. Cartledge, known to his intimates as "Bart," is a member of the firm of Pennock Bros., Philadelphia, and is the only son of the late Thomas Cartledge, who was a member of the same firm for nearly half a century and did much to build up the great reputation of that house. The younger Mr. Cartledge entered the employ of Pennock Bros. as a boy and went through the various departments in turn, and for a number of years had charge of the books. He is considered to be one of the best posted and most progressive of the retail florists of Philadelphia and the S. A. F. is to be congratulated in securing his services on its executive committee. He has been a faithful attendant at nearly all its conventions and has taken a lively interest in its proceedings from the first. Although of a somewhat retiring disposition he is one of the most companionable of men, his chief hobby, outside of the business, being shooting, of which sport he is very fond, and generally manages to get a week or two down in the wilds of Delaware or North Carolina every season. He has been secretary of the Florists' Gun Club of Philadelphia since its start until last election and was a charter member of the Philadelphia Florists' Club.

G. C. W.

[Portraits, accompanied by biographical notes, of the other gentlemen appointed to the S. A. F. executive committee by President Wood, Messrs. J. D. Carmody and J. F. Sullivan, have previously appeared in this journal.—ED.]

Vanda Coerulea.

The illustration shows three plants grown by Henry C. Fruck, gardener to Joseph H. Berry, Grosse Pointe Farms, Mich., which are remarkably fine specimens of the variety. The plants were obtained in their fresh state from Isaac Forstermann, Newtown, R. I., in 1891. They have been grown along in the East India house with plenty of moisture and ample drainage, crocks being used to secure the latter. The plants are not repotted; whenever they need more room they are slipped out of the small pot into one a size larger and sphagnum is packed

in to fill the space between the ball and the pot. As shown in the illustration the plants have about 335 flowers. They are late bloomers and suffered somewhat this season because of division.

About Long Greenhouses.

ED. AM. FLORIST:—Will you please explain what the advantages are of such long houses as those of E. M. Wood & Co., illustrated in a recent issue of your journal? Would not the same space arranged in 250-foot houses, running 125 feet each way from the central corridor be easier to work, easier to heat and practically as cheap to build? A. B. C.

I am hardly competent to criticise Mr. Wood's 700-foot houses, never having handled any very long houses myself. I should prefer shorter houses, say not over 200 feet in length, from each side of a corridor. In my opinion they would be easier to heat and would cost less to empty and fill than a very long house would. A long house would cost less to erect not having so many gables. I think, however, the cost would be offset by the money saved yearly in emptying and filling and other advantages.

ERNST G. ASMUS.

Much would depend upon the location and the size of one's plant, but while the new houses built for Mr. Wood may be slightly longer than would be desirable, there is no question but what the length mentioned by "A. B. C." is much less than will under ordinary conditions give the best results. As I have not visited Mr Wood's place for several years and do not know the exact location of the houses, or his reason for selecting 700 feet as the length, I hardly feel like offering any criticism. As compared with five houses, each 280 feet in length, there would be little difference in the cost of building or heating. If the dimensions of the building site permitted, it is probable that for the average grower a range of either three or four houses from 350 to 450 in length, will be found most satisfactory. L. R. TAFT.

I do not consider myself capable of advising in the matter of the best length for rose houses but I can tell what our experience has been. We have all lengths of houses, from 100 feet to 600 feet and it has been our experience that the large house has the best atmosphere, most easily controlled in regard to heat, assuredly some less expense in building and, also, we find that men will do more work in a long, large house than they will in a short one. We have one house in use, 55x600, heated from the center and the only objection we find to it is that, the house being so wide, the roof necessarily has to be flat, and more or less drip comes from that cause. We also have a house 30x600 heated from the center and if we were to build more houses we should certainly build on the latter plan, as we like it much better than any other we have. O. P. BASSETT.

I do not know that I am prepared to judge of the long house built by Mr. Wood, for the longest house I have on the place is 245 feet. This house is heated from a central main. The flows rise under the bottom of the benches in the center of the house and fall to the end of the bench and, turning at the end of the bench, still continue to fall to the place of beginning, where they drop into the return main. There are also pipes on the sides of the house, which extend around the ends of the house to the doors. In this house we find a variation in temperature between the center of the house and the ends from 4° to 8°, according to the direction of the wind, and we expect to be obliged to change the piping in the house, putting more piping at both ends, in order to maintain an even temperature.

From my experience with houses ranging from 100 to 245 feet in length, I should imagine that if a house was too long it might be rather cold on the weather end of the house, unless it was very tightly built, as the pressure of the cold against the exposed end would have a tendency to drive the heat out of the further end of the house. However, this is a matter that can be easily remedied by extra piping and building the house properly.

As to the cost of houses, it is my impression that a house ranging from 250 to 500 feet in length and twenty-five to thirty-five feet in width can be built cheaper in proportion to the number of square feet of bench surface produced, than can the smaller house of, say, twenty feet in width and 100 to 150 feet long. The cost in a house should be reckoned per square foot of bench surface secured and not by simple lengths and widths and heights.

As to the cost of operating these large houses, that is a matter I have not as yet determined and it will require several years of careful records to determine just what it costs per 100 or 1000 flowers to grow stock in large houses. However, I do not apprehend that the building of large houses will increase the cost of growing stock. I rather think it will reduce it. C. W. WARD.

Regarding the 700-foot houses in course of erection by E. M. Wood & Co., of Natick, and the desirability of long houses in general, I must confess that it is a puzzling question. When so practical and competent a grower as Mr. Montgomery recommends to the head of his firm the erection of 700-foot houses, one's first thought is that it's all right because Mr. Montgomery advises it. On second thought, however, I am inclined to think with the Frenchman describing his new tea rosebud, that it is "very much elongated." Here at Richmond we think 400 feet about right for up-to-date construction.

There is a lessening of the cost of erection in a long house over the same area covered with shorter houses, on account of doing away with the cross ends; there is also a very material saving in pipe fittings and valves where long lines can be used. If, however, these long houses are partitioned off, and the piping is done for each section, then I can see no particular saving in long construction over shorter length houses. I can see one disadvantage in a long construction unless the house is partitioned and piped in sections and that is that the crop will come into bloom all at one time—a pretty large dose! This may be all right, if the



VANDA CŒRULEA AS GROWN BY HENRY C. FRUCK, GROSSE POINTE FARMS, MICH.

growth is timed so as to hit important dates, such as Christmas and Easter.

For the small grower, however, I am sure that houses of moderate length are the more suitable. The lay of one's ground, the number of varieties to be planted, the location of the heating plant and several other factors may have a determining effect on the most suitable length to be used. If Mr. Montgomery would give us his reasons for preferring the 700-foot houses it would help each of us to work out his own problem of "how long shall I make my house?"

E. G. HILL.

In reference to the question of long greenhouses I would say that I know of no special advantage in such long houses as the ones mentioned. Were they to be used for pot plants there would be a very decided disadvantage on account of the long distance that plants would have to be carried when repotting, etc., unless potting or work sheds were placed at convenient distances along the house, but where used for cut flowers, planted out in beds or benches, it makes no material difference if the lot is level. If one end of the house is much higher than the other it would probably become much warmer than the low end unless there were frequent partitions across the house, practically making it a number of houses.

In some cases there may be local causes for building long houses, such as the shape of the ground to be occupied, etc. Were I building 30,000 or 40,000 feet of greenhouses, I would build them from 125 to 150 feet long, if the ground would permit, both for convenience and to have less exposure to the winds, as the houses to the windward would certainly shelter the others more or less, and we all know how the wind brings down the temperature on winter nights. So, considering all, I much prefer shorter houses.

JOHN BURTON.

To those of us who have so far operated rose houses not longer than 250 feet, houses of greater length seem too long, under our present arrangements, to be operated economically. At the same time, such level-headed people as E. M. Wood and his able manager, Alexander Montgomery, have taken all such matters into due consideration, and would not build houses 700 feet long if there were any difficulties in the way of operating them profitably.

During the time when the soil is being taken out and fresh soil brought in is when 700-foot houses appear too long, especially to the workmen; but in establishments where, say twenty men are employed, such houses would be very little harder to empty and refill than are houses half the length, and where half the number of men are employed and available for the work on hand. It is out of the question for florists who have been accustomed to empty and refill their greenhouses with handbarrows or boxes to think of building greenhouses much longer than 100 feet.

It would be better in my judgment for a florist having only the amount of space under glass which a house 700 feet long would cover, to have it in shorter houses divided in the center with a shed or a corridor running between. But with the necessary help employed which a large rose growing or other establishment calls for, where the different jobs incidental thereto can be put through quickly, I would rather operate the longer house than the smaller ones. One large job systematically arranged can be put through quicker and better than a number of smaller ones, and that is the difference, generally speaking, between one large house and the same number of square feet occupied by a number of smaller structures. The cost of building one large house instead of two or more smaller ones to cover the same space ought to be in favor of the former. L.

Florists' Association of Indiana.

The annual meeting of the State Florists' Association of Indiana was held at the agricultural rooms of the State House, January 9. President E. G. Hill opened the session with a speech in which he suggested: A more wise discrimination in the selection of varieties; a higher standard both in growing and methods of catering to the public; the use of the newer introductions; the raising of new varieties by individual efforts.

Mr. Hill said that many florists grow, as a matter of habit, geraniums, carnations and other all-important stock in



J. A. E. HAUGH.
(President-elect of Indiana Florists' Society.)

varieties that are at least ten years behind the times, while with the same space and labor they might grow the very best up-to-date stock. A little of everything and much of nothing seems to be the rule of many. "Grow fewer varieties and only the best of them" was his advice. He also advised that every grower try his hand in hybridizing, which is interesting, instructive, costs little and, once in a while, turns out to be a very profitable occupation. Next Mr. Hill spoke of our society and how to extend its usefulness.

The discussion in regard to a fall show was opened by W. W. Coles, who stated that he did not fully realize the importance of the show, or to what an extent the people of the state are interested in the exhibition, until inquiries came pouring in from would-be visitors, who wanted to know why there was no show last year. He said he was in favor of shows and would exhibit even if only half of the premiums could be paid and made a motion that a show be held next fall. Mr. Coles was followed by Wm. Langstaff who shared Mr. Coles' opinions. After Mr. Coles' motion was unanimously carried, further discussion of the subject was postponed for the evening session and the election of officers was taken up with the following results:

President, J. A. E. Haugh, Anderson; first vice-president, Wm. Langstaff, Indianapolis; second vice-president, W. W. Coles, Kokomo; secretary, Robert McKeand, Indianapolis; treasurer H. H. Huntington, Indianapolis.

The evening session was opened by the new president, and after electing Messrs. Bauer and Smith, of Mapleton, as members, preparations for the chrysanthemum show were taken up. John Bertermann was first on the floor with a number of suggestions and offered to contribute $200 to a fund to be used for a guarantee. He was followed by A. Nelson, H. Junge and others. On motion of Mr. Junge the following committees were appointed.

Finance: W. W. Coles, H. W. Rieman, John Bertermann, Fred Dorner and H. H. Huntington.

Special Attractions: H. Junge, A. E. Nelson, John Heidenreich.

Premiums: E. G. Hill, John Hartje, John Bertermann, W. H. Rieman and H. Junge.

A resolution was adopted expressing sympathy for Ex-president Stuart, of Anderson, who is convalescing from a long illness. E. G. Hill invited the members to visit Richmond and the acceptance was made with a view to paying the call en-route to the Cincinnati carnation meeting on February 10. Mr. Hill was also instructed to extend an invitation to the American Carnation Society to meet in Indianapolis in 1901.

There were a number of good exhibits and the judges, John Hartje and W. W. Coles, recommended certificates of merit as follows: To Stuart & Haugh for White Cloud and Avondale, a pink sport of Armazindy; to E. C. Bissell, grower for I. W. Bernard, Marion, for Triumph and Flora Hill; to H. W. Rieman for cyclamens, cypripediums and a white seedling carnation; to Bertermann Floral Co. for a display of pot plants; to Sonnenschmidt & Junge for Marie Louise violets.

Those present from out of town were: Herbert Heller, New Castle; W. W. Coles, Kokomo; J. A. E. Haugh, Anderson; E. G. Bissell, Marion; E. G. Hill, Richmond. H. J.

J. A. E. Haugh.

The State Florists' Association of Indiana is to be congratulated upon its choice of a presiding officer to succeed E. G. Hill, for in J. A. E. Haugh they have an executive who combines character and ability with enthusiasm. Mr. Haugh for years followed the practice of medicine in Indianapolis, giving his leisure to the pursuits of floriculture. When at length he found the exactions of his profession too great a strain upon his physical resources, he formed a partnership with G. S. Stuart, of Anderson, Ind., and the two have gone rapidly ahead in their business. Stuart & Haugh are now the leading firm at Anderson and have a fine range of glass, some 25,000 square feet, under which they produce some excellent stock. Mr. Haugh is well known throughout the state, and has always taken an interest in the promotion of horticultural progress. His acceptance of the leadership of the state association presages a period of active endeavor under the impetus of the enthusiastic meeting at Indianapolis this week.

WEBSTER, MASS.—The Converse greenhouses have recently been enlarged by the addition of three houses 17x60.

Chrysanthemum Society of America.

FROM THE PRESIDENT'S STANDPOINT.

The national chrysanthemum society, to whose care is entrusted the interests of the queen of autumn, has received a large amount of criticism, some of it just, and some strictures that have been unmerited. As its presiding officer I have to confess that it falls far short of what such an organization should be, or at least of what I felt persuaded it would be, when it was organized. That it would receive the help and the support, not only of those commercially interested in the chrysanthemum but also of a very large number of the private gardeners throughout the country seemed assured, but such has not been the case. The absence from the rolls of the society, not only of the private gardeners but also of a majority of the trade is most deplorable and, sad to relate, at no time has the society numbered over forty members. The lack of enterprise in those interested in the chrysanthemum has been quite unaccountable. The present officers hold position not from choice, but rather from necessity, in fact I was not consulted as to my willingness to accept the position which I now hold. I am sure that Mr. May, Mr. Smith and myself each feel that it would be better if we occupied less prominent positions from the fact that we are so largely interested commercially. It may not be amiss to insert here the secretary's reply to my inquiry for data concerning the membership, the revenues and the source of revenue:

"Total number of members twenty-four, as follows: Jas. Hartshorne, E. G. Hill, W. N. Rudd, W. K. Harris, G. P. Rawson, John Burton, E. D. Smith, J. M. Gasser, Fischer & Ekas, Eugene, Henry and Paul Dailledouze, J. Condon, J. W. Withers, A. B. Cartledge, Edwin Lonsdale, T. F. Beckert, Fred Dorner, John N. May, Theo. Bock, E. M. Wood, Paul M. Pierson, Henry Rieman and Harry Papworth. To show you the resources of the society I give the following: Since the inauguration of the committees for judging seedlings the amount received for entry fees from fall of 1894 to and including fall of 1898 amounted to $522, of which J. N. May has contributed $50, Pitcher & Manda $18, Theo. Bock $16, Nanz & Neuner $14, E. G. Hill & Co. $56, Thos. H. Spaulding $84, N. Smith & Son $80, J. Condon $10, G. P. Rawson $10, Henderson & Co. $10 and fifty-nine others make up the balance. It might be well to state that the dues are but $1 per year and we would be pleased to have the co-operation of all who have the welfare of the chrysanthemum at heart. Urge the private gardeners to join us. I think this will give you a fair insight as to the present condition of the society!"

One private gardener, Mr. Papworth, of New Orleans, decorates the rolls; where are the great number of private growers who, oftener than the commercial florists, have been to the front with fine exhibits and who have in days past sold their seedlings at very remunerative figures? Nothing has been so keen a disappointment as their absence from the society's membership. Then we have not been blessed with one name from the roll of our horticultural literateurs, and these same gentlemen have been quite diligent in their prodding and free with their suggestions. Certainly, the paltry annual fee of $1 has not kept all these worthy gentlemen from enrolling their names.

It cannot be said that the officers have not helped support the society. With those other members interested only commercially I feel like asking right here, where are Mr. A., and Mr. B., and Mr. C?

I confess that I am terribly tempted to write out the list, and especially of those who have been the beneficiaries of the society's work. I can answer for it that all of the present members are more than willing to do their share of work, and are willing to contribute of their means to make the society national in fact as well as in name.

The critics cannot gainsay the fact that the society's finances are in first class shape considering the large (?) membership enrolled. Surely they will give us credit for having so good a showing, but we can almost hear the lash fall on account of our not having expended the sum now in the treasury.

The possibilities before the Chrysanthemum Society of America are large and wide. We should hold a great November show each year, moving the same from one city to the other as the years roll around. This should not simply be a chrysanthemum show but should be a great autumnal festival where all seasonable florists' products might be shown.

To the criticism that "the commercial fellows are running things," the answer is that they were drafted into the service; they had to take the helm. We would be only too willing to have our friends, both retailers and private growers, take the management and hold the rudder for a time.

One thing the society has done, and done well and that is, it has kept large numbers of inferior varieties from being offered and sold. A variety that runs the gauntlet of the society's "points" is recognized as having some good claim for recognition; but this is resurrecting the old theme, "Seedlings versus Certificates."

I would like to suggest a lot of names for officers and executive-committee men for the beginning of the next century. It would be a very pleasing task! I may suggest such a list at another time, a roll-call of chrysanthemum growers that one might conjure with! E. G. HILL.



CARNATION PERU.

CARNATIONS.

CARNATION PERU.

The accompanying illustration shows the character of the blooms of the new carnation of F. B. Tinker, of Peru, Ind., which has been named after the town in which the raiser and disseminator carries on his business. The flowers are pure white, fringed, and average three inches in diameter. The variety is a pro

fuse and continuous bloomer, and very fragrant.

CARNATIONS REGISTERED.

James Allen, gardener to A. C. Lambert, Paterson, N. J., registers Belle Vista, a cross between Wm. Scott and Daybreak, in color a light pink, petals large and broad, a clean strong grower; habit and growth resembles Scott and it is a very free bloomer.

J. E. Sibley, registered by Philip Heilig, should be J. C. Sibley.

ALBERT M. HERR, Sec'y.

PACKING CARNATIONS.

ED. AM. FLORIST:—What is the best method of packing field-grown carnations for shipping a long distance. I find the roots do not hold the earth very well and to leave much earth on the roots makes them heavy for shipping.

O. F. C.

My experience in packing field-grown carnations for shipping has been somewhat varied, as I have sent plants to California and Texas with no loss, but then I have sent plants packed in the same manner to places which would be reached the next day and the plants were a total loss. My method of packing is to tie the plants up into bundles of three or five, according to the size of the plants, and leave little or no dirt on the roots, but have the roots well covered with damp moss. These bundles are then stood upright in a box and usually reach their destination in good condition. I have frequently received plants that were simply packed tight into a box, tops upright and the roots on a bed of wet moss, without being tied up, but this style of packing is apt to cause the plants to heat around their base with the result that the lower leaves decay and rot immediately after planting. For long distances excelsior should be placed between the bundles and care should be used not to have them squeezed together tightly.

A. M. HERR.

TREATMENT OF EARLY CUTTINGS.

For some unforeseen reason more carnation cuttings are being delivered in January than in any previous year. Whether these cuttings, struck in the early part of December, are the proper thing or not will probably be determined within the next two or three years, but results will depend to a great extent on the manner in which these early plants are handled.

In the first place, above all other things, do not put these cuttings in an out-of-the-way place where they do not get the full benefit of the sun and air; unless it is absolutely impracticable to pot them up, do not plant them in flats or benches. They should be potted into rose pots and shifted into 3-inch pots as soon as they show the least sign of being root bound; they can be grown in this latter size until planting-out time in April.

There are two treatments that have been equally successful with me, the first of which is to pot the cuttings into only ordinarily rich soil and place them on a bench where they get the full benefit of the sun and can be given an abundance of air and then growing them on the dry side with a temperature as nearly 45° as is practicable. As soon as the rose pots get reasonably full of roots they are shifted into the 3-inch size and if they fill these pots with roots before planting-out time they are knocked out of the pots, a portion of the dirt taken off the ball and are replaced with some fresh soil in the same pots. The use of poor soil and growing them on the dry side induces harder growth and more good working roots than the next method and seems to put the plant into a position to stand harder raps in the field than if grown in rich soil.

The other method is to use regular potting soil, rich in fertilizing material, and give the plants an abundance, but not an over-supply, of pure water, and growing them in a temperature of about 50°. Give all the air possible, shifting as soon as they need it and if necessary repotting into 4-inch pots before planting out. This treatment will give you good, healthy, long-jointed plants, which will make exceptionally fine stock for early planting. This treatment is given by the



THE LATE WM. F. EATON.
(See page 699.)

only grower I ever had the pleasure of visiting who has made a success of indoor culture and with most varieties this method followed up by a summer in a field of rich loam, without check to growth, will give results almost as good in quality of bloom and length of stem as that produced by indoor culture and will result in almost twice the number of flowers from October 1 to January 15.

Such little incidentals as keeping the plants absolutely free from green fly and red spider and the pots clear of weeds need not be mentioned, except in the shape of a reminder to most growers. To those who are careless of these things a full measure of success will never come.

The topping of these plants is a matter of taste. With me they are allowed to form at least three or four good joints before the top is taken out, as I like a plant that has plenty of base to it and is not burying its lower branches in the dirt all the time to make a harbor for insects and disease.

ALBERT M. HERR.

Mushrooms for the Million.

[Read by George C. Watson, Philadelphia, before the Southampton Farmers' Club, Somerton, Pa., January 9, 1900.]

To most of you the subject of mushroom growing will doubtless appear to be rather a frivolous affair, an oddment that you feel justified in considering with an inward smile and outwardly with an expression of resigned patience and pity; patience called for by courtesy to the speaker and as a sacrifice to your reputation for good manners; pity for the being who could become so far bereft of everyday common sense as to approach such a subject with a serious soul.

"A mushroom?" I think I hear you exclaim, "that ridiculous thing that springs up in a night and disappears again with almost equal celerity? Take that seriously? Ask a farmer to listen to such nonsense while he is engrossed with the mighty responsibilities of wheat and corn and potatoes?" Verily, it does seem rather a fool-hardy thing to approach a person like our old friend, the laird of cockpen, whose mind is taken up with affairs of the state, with such low down things as mushrooms; but for all that, I make bold to do so, even if with a meekness exceeding the meekness of Moses, and will do my little prettiest to exalt the virtues of this much neglected esculent.

In the first place I would ask, did it ever occur to you that the nutritive value of a pound of mushrooms exceeded the nutritive value of a pound of beefsteak? Very likely not, and yet careful chemical analysis has proven this to be true. Analysis has shown also that mushrooms contain from twenty to thirty-five per cent of protein, while bread only contains eight per cent, oatmeal ten per cent, potatoes five per cent, and barley meal six per cent of protein. The mushroom, like the oyster, is also rich in iodine and Dr. Boerhave states that he can cure phthisis with this diet and as a method of introducing iodine into the system this is certainly a pleasant medical treatment.

So much for the intrinsic food value of the mushroom. When we come to consider its flavor and gastronomic possibilities it is difficult to convey in words an adequate idea of its virtues, combining as it does the delicious flavor of both herb and flesh but unspeakably superior to both and, as Robinson well says, only the spirit of the immortal Brillat-Savarin could do justice to it. Stevenson sings the praises of the onion, hailing that odoriferous bulb with dulcet phrases:

> "Rose among roots, the maiden fair,
> Wine scented and poetic soul
> Of the capacious salad-scented bowl."

Law echoes him, and even Tennyson had nerve to sing the "Lady of Shallott;" but our literature is sadly lacking in adequate appreciation of that far superior esculent, the mushroom, which greatly outsavors the belauded onion. While neglected by the poets and recognized only by a few philosophers like Captain McIlvaine and the late Col. Ingersoll, the merits of the mushroom will yet be recognized and will in time, when we become more civilized, and begin to realize the endless bounties of the Creator, be a regular article of food on the tables of the humblest.

Why should only the city people have of the best on their tables? Isn't the farmer and suburbanite also entitled to have such little additions to his table as mushrooms on toast? Additions that he can himself produce with little expense all the year round and additions that give a sort of poetry to a repast and please the palate to the great promotion of good health. Horace tells us that "a savory dish, a homely treat clears up the cloudy foreheads of the great," and I think he might have added "the small" also. Then there's the only original Thomas Walker who avers that "a

dainty meal is something pleasant to look forward to and the expectation of it gives a wholesome edge to the appetite and makes business be dispatched with alacrity."

Promise one a dish combining in one little morsel the flavor of a spring chicken cooked to a turn, with the juiciness of a tenderloin and the nutty sweetness of an almond and it would be a lazy person indeed who would not then dispatch business with alacrity.

There is a popular impression that the mushroom is a plant of extraordinary rapidity of growth, but this is not so in reality, for, on examination, it is found to be just as methodical as a potato in its growth and development. And, come to think of it, the potato is not a bad illustration of the process of underground growth which the mushroom goes through. The thread-like filaments or mycelium of the mushroom are somewhat analagous to the roots, stems and leaves of ordinary plants, the visible part, stem head and gills being, in fact, the fructification, although in such apparent preponderance to the other parts. The seeds or spores of the mushroom are borne on the gills under the cap. They are so small as not to be visible to the naked eye and nothing is known of their life history after they fall from the plant. How then do we cultivate? I may explain this best by again referring to the potato, for when we plant them it is not really seed we are planting but a part of the underground stem. The mushroom mycelium when once found can be propagated in a medium of horse droppings and is then made into bricks which are dried and hold the vitality in a state of suspended animation until wanted. In this form it will keep good for several years. These bricks of mycelium or spawn are a staple article of merchandise and can be purchased at any seed store, just as you would a package of radish seed.

In preparing a mushroom bed procure good fresh manure from the horse stable, shake out the longest of the litter and put the remainder in a heap; turn it over three or four times allowing two or three days between each turning. At the last turning it will be found to have lost its rank, sour smell and will then be in good condition to make into a bed. If the bed is to be made in an ordinary mushroom house it is advisable to give it a depth of ten inches in front and nineteen inches at the back. The material should be firmly beaten or trodden down hard, and after a few days, when the temperature has fallen to about 75°, it may be spawned and afterwards covered with two inches of soil. The growth of the mushroom plant goes on under the soil and in five or six weeks the fruit or fructification appears above ground. The bed will remain in bearing from two to five months. Such, in brief, is the process of raising a crop of mushrooms. There are of course many details that require some experience to master, and which are fully explained in the books of culture to be obtained at the seed stores. One could not expect to know the right condition of wetness or dryness of the manure for making a mushroom bed if ignorant of age, kind, quality or any other particular of manures in general. When the book says "fresh" manure the adjective "fresh" is more than likely to be ignored. It is this element of heedlessness to plain instructions that generally lands the amateur at the gates of failure. Mushrooms are an easy enough crop to grow but they require certain conditions and good sense and good judgment are necessary in providing these conditions. Of course anyone can follow the book but a farmer would be more likely to follow the book correctly than a person who did not know a turnip from a mangel wurzel.

Although any one with a good dry cellar or outhouse who is within reach of a horse stable can grow mushrooms, yet those who would find most pleasure and profit in raising them are suburban and rural people—farmers, truckers, florists—in fact any one living at or near where horses are kept.

As to the profit in this crop: Looking at it in the broad sense, the sense of adding a new article to the diet, it is almost all profit, for the cost of raising them, outside of the labor, is small—less than that of the eggs and bacon you have for breakfast. In the narrow sense of the word profit, the raising of the crop on a considerable scale for marketing, it can be said that the returns are good considering the time, labor and other elements and comparing them with that for tomatoes or other crops more familiar to the average farmer. Two pounds of mushrooms to the square foot is considered to be a fair average crop, which would net eighty cents at the average price of the past season in the Philadelphia market. At this rate a space thirty yards long by a yard wide would net $240, which is not to be sneezed at in these days of thirty-cent potatoes and sixty-cent wheat!

But it is not the commercial culture of mushrooms that I would like to see extended so much. The metropolitan markets are already pretty well supplied. What I preach now is the country and suburban individual—your own cheek, your own family, the comfort and pleasure of living, think of these and grow mushrooms, and grow them all the year round—in the outhouse or cellar in winter and in the pasture in summer. It is easy, pleasant and profitable, and I feel sure that many of you will live to call down blessings on my head for giving you the hint. And more than that I think you will in the happy future which I see unfolding for you, have a desire to get the government to make me an annual appropriation of $50,000 or so to entertain worthy persons and introduce them to heretofore undreamt of gastronomic delights in devouring the lowly but delicious mushroom! I am confident that if you manage to carry that thought and desire to fruition that I will do more with the money to promote commerce and increase the revenue than would any tariff scheme you could ever devise. I would plan a campaign that would embrace the length and breadth of the state, enlisting the chef from Doomer's under my banner as chief of staff, and confident with the assistance of that able artist that I would carry everything before me, for I hold, with Paulus Emilius, that it requires the same kind of spirit to manage a banquet as a battle, with this difference that the one should be made as pleasant to friends as the other is formidable to enemies. Paulus was the most successful general and entertainer of his day and I have always thought this saying of his was a particularly happy one.

If I have omitted to tell anything you would like to know, ask and I will answer to the best of my ability. If I have bored you by making this paper too long I can only plead as an excuse that I would have made it shorter if I had had time.

New York.

ENTHUSIASTIC MEETING OF THE FLORISTS' CLUB.—OFFICERS TELL OF PAST AND PLAN FUTURE.—HORTICULTURAL EXHIBITION IN HIGH FAVOR.—ANNUAL DINNER NEXT WEDNESDAY.—CARNATIONS SHOWN.—INVITATIONS ACCEPTED.—COMMITTEES APPOINTED.—LANDSCAPE ARCHITECTS CONVENE.—OFFICERS ELECTED.—STATE OF THE MARKET.—CUSTOM HOUSE CHANGES PROMISED TO IMPORTERS.—EXECUTIVE COMMITTEE TO MEET.—VARIOUS ITEMS.

The Florists' Club meeting on Monday evening, January 8, brought out a most harmonious and enthusiastic gathering and the large number present, as well as the large interests which they represented, was the best augury the officers-elect could wish for in assuming the duties of this important year of the club's history. President Plumb made a brief address setting forth the prosperous condition of the organization, thanking the members for their support during his administration and bespeaking for his successor the same generous consideration. Messrs. Nash and Allen then escorted President-elect O'Mara to the chair amid much applause.

President O'Mara in his address spoke appreciatively of the worth, amiability, untiring devotion and love for the craft displayed by the retiring president and expressed gratitude for the honor conferred upon himself by his election. He made announcement of the work already undertaken by the officers and trustees recently elected, in the assignment of special committees on convention work, the arrangements in the grand exhibition hall whereby the central space is reserved for a horticultural exhibition, and referred to the coming meeting of the executive board of the national society as the first of the series of great horticultural events which New York has in prospect. Vice-president Herrington, being called upon, said that the proposed horticultural exhibition is the opportunity for which the private gardeners have long been waiting and spoke hopefully of the outcome. He and also Treasurer Weathered and Secretary Young expressed thanks for their selection as officers of the club and promised to do all in their power to make this a grandly successful year. It was announced that the annual dinner will take place at the St. Denis Hotel on Wednesday evening, January 17, and that the executive committee of the S. A. F., and a number of prominent men in public life would be present as guests on that occasion.

The exhibition committee reported on two vases of carnations, that Genevieve Lord exhibited by H. Weber & Sons had scored eighty-six points and was entitled to a certificate and that Roslyn, staged by C. Besold, was awarded honorable mention. An invitation to attend the Morris County Gardeners' and Florists' Club smoker on Wednesday evening, January 10, was accepted with thanks and Messrs. A. Wallace and W. J. Stewart were appointed to represent the club as per invitation of the Dutchess County Horticultural Society at the annual dinner of that body in February. Messrs. F. L. Atkins, J. P. Cleary and Wm. Marshall were appointed house entertainment committee for 1900 and Messrs. W. I. Brower, C. H. Allen, H. Dailledouze, A. L. Miller and J. E. Lager the committee on awards. A vote of thanks to the retiring officers was recorded and then the treasurer began selling dinner tickets. They "sold like hot cakes."

The American Society of Landscape Architects' annual meeting was held at the Hotel Martin on the evening of January 9. The election of officers and other business took place while the members sat around the festive board and the affair was charmingly social and informal. The officers elect are: President, John C. Olmsted; vice-president, S. Parsons; secretary, Downing Vaux; treasurer, Mr. Lowrie. Mr. Carl, the art critic, was a guest of the society. Several ladies, including Miss Bullard, of Bridgeport, and Miss Jones, of New York, were also present. The matters discussed were the principles of the profession and the great necessity for a higher education of the public in gardening art. Many amusing anecdotes were told illustrating the perverted taste frequently displayed in the adornment of grounds, the use of tin palmetto trees in the grounds about the state house at Columbia, S C., being one case cited. That too many trees and not enough shrubs are planted, as a rule, seemed to be the unanimous opinion.

Business in the flower stores is very slack. A heavy crop of everything is now being received and the lack of demand for it has broken prices down below the average for the season, giving the Greeks the opportunity to handle roses and carnations on the street at summer figures. While the prices are low, quality is generally high. The stock coming in is remarkably good in all lines. Carnations are accumulating and even the fancy sorts move slowly owing to the heavy receipts. Adiantums are scarce.

A number of importers and others directly interested met at the appraiser's office on Tuesday, January 9, on invitation of Appraiser Weightman, to discuss methods of improving the customs service as applied to handling and examination of nursery stock. The visitors were received courteously and at the close of the conference were informed by the inspector that he thought it would be wise to make a new special and perishable classification as applied to plants, bulbs and seeds, so that hereafter no further delays might be experienced in passing them through. He also promised special delivery from public stores, these goods taking precedence of non-perishable stock, and agreed to provide competent packers to repack goods taken out for examination and requested that importers report any instance where such repacking is not properly done and further asked to be notified if it should appear that these new rules do not work satisfactorily, so that another conference might be called, it being his determination to give all possible help to the horticultural importers. There were present Messrs. Hulsebosch, Ouwerkerk. O'Mara, Prosser, Bobbink, Siebrecht, Kelsey, Berkhans, Ruuyard, Darrow, Elliott, Rolker and Joosten.

The executive committee of the S. A. F. will meet on Tuesday, January 16, at the Murray Hill Hotel. It is expected that the sessions will extend over three days.

E. C. Horan shows some nice chrysanthemums in his window still.

Alex Burns is making a study of problems connected with carnation fertilization.

Ernst Asmus is preparing to build six more greenhouses.

Visitors in town this week: Carl Jurgens and Carl Jurgens, Jr., Newport, R. I.; Robert Craig, Philadelphia; A. N. Pierson, Cromwell, Conn.; Benj. Dorrance, Dorranceton, Pa.

Chicago.

BUSINESS BRISKS A BIT. — DEMAND FOR GOOD STOCK EQUALS SUPPLY.—SURPLUS OF POORER GRADES. — SUPERLATIVE FUNERAL DESIGNS.—ANNUAL MEETING OF HORTICULTURAL SOCIETY. — FLORISTS' CLUB TO HAVE A SHOW OF CARNATIONS. —MANY EXHIBITS ASSURED.—EXTENSIVE BUILDING OPERATIONS.— AN OLD-TIME CARNATION AND VARIOUS NOTES.

There has been nothing out of the ordinary in the market this week; trade is picking up after the usual respite following the holidays and the cut of tea roses is somewhat reduced, while the opposite is true of Beauties and carnations. The latter are not only in greater supply, but are very generally of first-class quality and well worth the prevailing prices, which are, however, maintained with some difficulty. Brides and Bridesmaids are reported going off crop with many growers and some of the new price lists quote top qualities at 8 cents instead of 6 cents. Harrisii lilies are coming in nicely and are selling fairly well at $2 to $2 50 per dozen. Violets are very plentiful and are not in very great demand. There is a story afloat that one of the growers who took a contract to supply a retailer with 1000 violets a day through the season has a bright prospect for a law suit because his cut suddenly became very light just before Christmas. The retailer says his contract was at 90 cents a hundred and declares that the holiday wholesale price of $1.50 to $2 proved too great a temptation for the party of the first part. Bulbous stock is no longer a serious over-supply.

There has seldom been a funeral which has made so much business for Chicago florists as that of E. J. Lehman last Monday. There were seven carriage loads of flowers at the obsequies, a complete exposition of designing as it is practiced here, and at least two of the pieces were worthy of comment. Those closest to the deceased creator of The Fair gave Lange an order for a plaque which cost them $500; it was a triumph of the art. The piece stood nine feet high, edged with American Beauties, more than 500 being required to complete the elipse. Naturally nothing but the best of stock was used. Otto Young, Mr. Lehman's partner, entrusted his order to Schubert and the urn of violets, capped by callas, was a beauty and a marvel. It was about four feet high and required countless thousands of violets, all that were available on Sunday. The work was excellently done.

The annual meeting of the Horticultural Society of Chicago was held at the Sherman House January 9, Vice-president Wienhoeber presiding in the absence of President Chadwick. W. C. Egan resigned the secretaryship in favor of W. N. Rudd as secretary and treasurer, Mr. Egan taking the latter's place on the executive committee. Two retiring members of the executive committee, Messrs. Hauswirth and Sanders, were re-elected. A resolution was presented extending the number of aforesaid committee by two, same being held over for action, as customary, until next meeting. The usual annual reports, showing that the society is in good condition financially, were read and approved. Fifteen new names were presented for membership. The committee appointed to ascertain what degree of support might be expected from the trade in future exhibitions presented a report in which all prominent local firms and some outside the city pledged themselves to give all the aid in their power. With the foregoing exceptions, all the former officers were re-elected.

At its last meeting the Chicago Florists' Club decided to hold an exhibition of carnations at its next meeting, January 19, and Room 204, a spacious, well lighted apartment, in the Masonic Temple, has been secured for the purpose. The society's certificate will be awarded all meritorious exhibits, either of carnations or other stock, and it seems that the interest now manifested will result in some good displays. All stock intended for this show should be shipped to reach Chicago on the morning of January 19, addressed to McKellar & Winterson, 47 Wabash avenue, prepaid and marked "For exhibit" on the outside. It will be properly staged by the committee and at one o'clock will be passed upon by the judges, W. N. Rudd, Emil Buettner and Andrew McAdams having accepted invitations to serve in that capacity.

A big bunch of perfect blooms of that seldom seen variegated carnation, Rosa Pieser, came to Kennicott Bros. Co. this week from an out-of-the-way town in Iowa and gave the younger members of the firm much pleasure, for it is named for their mother. This was the first pink penciled carnation to be consigned to Kennicotts', coming some years ago from John Milne, of Fairbury, with whom it originated. It was thought to be a great thing, but when sent out for trial burst so badly that it was never introduced, although all the plans had been laid, and nothing has been heard of it for several years.

J. A. Budlong has placed an order for 450 boxes of glass and is preparing to to build three houses for American Beauties as soon as the frost is out of the ground. The structures will be 26x300 and will embrace all the latest improvements, including some changes in the benches not heretofore tested in this vicinity. This is only one of the numerous building operations now well in hand and there are rumors of other extensive work of this character at Bowmanville.

The J. C. Moninger Company has the order for the cypress for the Wietor Bros.' big range of new houses and Adam Schillo, who seems to be high in the favor of the greenhouse men north of the city, is supplying the lumber for benches and other purposes, some 160,000 feet in all.

J. F. Powell, of Waukegan, who has large interests at Melbourne, Fla., on the famous Indian river, where the palmetto finds its favorite clime, has gone into the preserved natural palm leaf business and has been taking some good orders for supplying Chicago manufacturers.

C. W. Scott, representing Vaughan's Seed Store, is making a western trip. Vaughan is taking in half a carload of Japanese fern balls this week.

J. A. Grossman is making arrangements for rebuilding the eight houses which the Weber Bros. ran up to the end of the chrysanthemum season.

Bassett & Washburn are cutting a very fine lot of carnations and among them all there is nothing better than the red Bradt.

John Zech has been confined to his home since Monday and his physician fears appendicitis.

Visitors: C. H. Frey, Lincoln, Neb; F. A. Belt, Sterling, Ill.

RHINEBECK, N. Y.—The shipment of violets from Rhinebeck to New York wholesalers for Christmas are estimated at over 300,000 flowers.

Boston.

NORMAL CONDITIONS PREVAILING.—A LONG PERIOD OF PROSPERITY IN SIGHT.—SHOW AT HORTICULTURAL HALL.—MEDALS AND CERTIFICATES FOR CYPRIPEDIUMS.—OTHER GOOD EXHIBITS.—ANNUAL MEETING OF THE SOCIETY.—OTHER NOTES.

Weather normal; business ditto. There is no special demand in evidence and certainly no scarcity of cut flower material in any grade or any seasonable variety. The usual winter call for funeral flowers and design work is apparent and clerks in the retail stores are kept fairly well occupied but the gaieties of the season are not yet fairly started. A long period of busy times is promised, as Lent comes in very late this year and all are well prepared to take advantage of it.

There was a very fine exhibition at Horticultural Hall on Saturday, January 6. Primulas were well represented in the various classes, P. Sinensis being shown by Mrs. J. L. Gardner, Mrs. B. P. Cheney and J. W. Howard, P. obconica and P. stellata by Mrs. Cheney and Mrs. Gardner, the prizes being awarded in the order named. R. & J. Farquhar staged thirty plants of Begonia Gloire de Lorraine nana compacta, Dr. Weld a handsome seedling amaryllis and W. N. Craig and Mrs. E. M. Gill vases of freesias. The orchid display was superb. From J. E. Rothwell came plants in bloom of six varieties of yellow Cypripedium insigne including Sanderianum, Youngianum, Wm. Millie Dow, Ernestii, Laura Kimball and Sanderæ, for which he received a silver medal, also certificates for the first three varieties named. Oakes Ames also received a certificate for Sanderianum and exhibited besides Cypripedium ×Leeanum var. Clinkaberryanum. Honorable mention was given to the Botanic Garden for a delicate little orchid from the Philippine Islands, Platyclinis uncata. W. N. Craig showed a vase of blooms of fine types of Cypripedium insigne.

The annual meeting of the Massachusetts Horticultural Society on January 6 brought a goodly number of members to Horticultural Hall. It was announced that the building committee had decided to suspend all action on the proposed new building until spring owing to the high price of building material. A resolution was passed instructing the committee to submit plans to the society for inspection and approval before signing any contracts. W. J. Stewart presented a motion, which was adopted, that the president appoint a committee of five members to decide on what changes should be made in the constitution and by-laws preparatory to entering the new building. President Appleton made a brief address which was received with approbation and ordered to be printed for distribution.

Mrs. Rogers has sold out the lease of her store in Washington street and will probably re-open in another location.

Philadelphia.

A QUIET FORTNIGHT.—PRICES TAKE A TUMBLE.—FLOWERING PLANTS MAKE WINDOWS GAY.—MISS LIPPINCOTT AND OTHER CARNATIONS.—JOTTINGS.

Things have been quiet since the first of the year, amounting some days to dullness. Some really first class flowers have gone begging and prices have taken quite a slump. The extra Beauties can now be purchased for $6 per dozen, while those selling for from $3 to $4 for the same quantity seem plenty good enough for the average retail buyer. The best teas are quoted at $10 per hundred; $6 to $8, however, buys very good stock. Liberty roses, of which variety some grand flowers have been sent in by Robert Scott & Son, are now scarce, as much of the wood is being used in grafting. Carnations are also feeling the depression and prices are down, $1 50 now buying really good flowers, in fact, only the select are higher, these bringing from $3 to $6. Good, bright Scotts are still popular with the masses, who think that 35 cents to 50 cents per dozen is enough to pay. Freesias are in at $2 to $4 per hundred. Azaleas, most of them very well flowered, now brighten the shop windows and a few very nice rhododendrons sent in by Wm. K. Harris make showy window plants. Easter lilies are now being anxiously looked after by the growers. None of the crops show much disease as yet, although it is almost too early to feel safe about the matter.

There is considerable interest being taken in the approaching meeting of the carnation society at Buffalo and it is likely that this neighborhood will be quite well represented.

John Kuhn's new carnation, Miss Lippencott, a bright Daybreak pink in color, is being sent out by Henry Michell. It is a very fine flower and is, we should say, a good one to plant for next season in place of the old favorite. Of the favorite carnations this season Flora Hill is the great white, White Cloud being a good second. Scott and Dana lead in the pinks, with Daybreak in fair demand. Eldorado is the best yellow. Cartledge sells very well for a red, although not a good red in color, yet its shade is good and it is often preferred to Portia on account of its good size. Croker, America and Crane sell well among the fancies, their grand flowers bringing the difference in price from those who can afford to pay for them.

The ladies' night at the club, January 24, will be a very enjoyable affair. There will be prizes for all the different games to be played, both useful and farcical. Ladies and gentlemen with good voices will contribute and refreshments will be served as usual. K.

New Jersey Floricultural Society.

Long tables well laden with appetizing viands, interspersed with numerous bunches of Olympias, bougainvilleas and so on, a double line of jovial and expectant faces all around the hall, an atmosphere of good cheer, cigars and other things, these were the conditions prevailing when President Duff took his station under the big elk's head and called the New Jersey Floricultural Society to order last Thursday evening. It was the occasion of the annual installation of officers and fifty members with their guests, the latter including J. N. May, J. Lang, J. I. Donlan, J. W. Withers, S. Butterfield and W. J. Stewart, were present.

The secretary's report for the year showed that the gratifying number of thirty-six per cent of the membership of the society had been present at the meetings and the treasurer's figures indicated a substantial balance well invested to the society's credit. Malcolm Macrorie was then called upon to install the new officers, which he did in his customary dignified and impressive manner. Then the president placed in Mr. Macrorie's hands the treasurer's books and the ceremonies were completed by the appointment of the various committees for the ensuing year, after which seats were taken at the tables and the doors of Orange hospitality were opened wide.

Appetites appeased, the pent-up oratory was unloosed by the president, who, after a few words of kindly welcome, called upon Dr. J. B. Ward to speak for the State Horticultural Society. Dr. Ward waxed eloquent as he told of the triumphs of New Jersey horticulture and the grand soil and climate which have contributed so much to her prosperity and scored a ten-strike when he asserted that "horticulture in its broadest sense is the highest development of agriculture." W. J. Stewart then responded for the Society of American Florists. He congratulated the New Jersey society on its prosperity and asked for its support and co-operation in making the coming New York national convention the greatest horticultural event of our times. President Duckham, of the Morris county organization, spoke for the private gardeners, referring to the skill, broad knowledge and ability required to fill the position of gardener with success and, on behalf of his society, thanking the Orange brethren for their kind and hearty welcome. J. N. May responded for the commercial florists who, he confessed, are growing primarily for dollars and cents but nevertheless have done much for the advancement of horticulture. He added some interesting reminiscences of his late western trip and described the wonderful progress in geranium and carnation culture which he had observed. J. B. Davis, in response to the toast "The Ladies" made the hit of the evening and fairly bubbled over with wit, eloquence and poetry in adulation of the Queen of Hearts. His high aspirations in this respect were a surprise and delight to his friends who will know just where to place him hereafter. Henry Bird's theme was "Twenty Years Ago." He made a broad gauge speech covering the beauties of nature as seen in retrospect and a multitude of subjects in a very sentimental and romantic manner and concluded with the expression of a firm conviction that "the florist of to-day must know something about everything and everything about something." J. W. Withers spoke for the horticultural press. He claimed for New Jersey that it heads the list with the largest quantity of glass in any state in the Union and declared the horticultural press to be in an equally prosperous condition. Addresses were also made by John McGowan, Geo. Smith, Dr. Kitchen and others.

Interspersed with the talking were songs by Messrs. Butterfield and Smith, violin solo by Mr. Bennett and cornet solo by Mr. Taylor. When the New York delegation took its reluctant departure at midnight it was evident that lots of fun was yet in store.

NEW BRITAIN, CONN.—C. T. Andrews, confectioner and florist, has gone into bankruptcy. Liabilities, $3,000 assets, $2,000.

WYNDMOOR, PA.—Under new postal regulations mail formerly addressed to growers at Wyndmoor, Chestnut Hill, Philadelphia, should be marked to Wyndmoor, Montgomery Co., Pa., via Lavorock, Pa.

ATTLEBORO FALLS, MASS.—The Attleboro Falls Horticultural Society held its annual meeting on the night of January 1. It is proposed that the work of the society include a scheme of village improvement hereafter and public support is promised.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

OUR British cousins at Covent Garden find that the Boer war is causing an appreciable diminution in the sale of plants and flowers.

FRANK M. GESSNER, editor of the *National Glass Budget*, says that a change of prices on greenhouse glass is unlikely within sixty or ninety days.

THERE was a meeting of independent glass manufacturers at Pittsburg on Tuesday at which action was taken toward an organization in opposition to the trust.

C. H. GREEN, of Fremont, Neb., has sent to this office some sample blooms of Marie Louise violets which for size, color, fragrance and length of stem are equal to any we have seen.

WM. GALLAGHER, of Little Rock, Ark., has sent us an excellent chrysanthemum bloom (for this season of the year) claiming that it is a sport of Wm. H. Chadwick. This hardly seems possible, the latter being a distinctly incurved variety, while Mr. Gallagher's flower is as distinctly reflexed. The flower, however, is good and of a pale pinkish tint.

Greenhouse Building.

Chicago, Ill.—J. A. Grossman, eight houses.

Warren, R. I.—Wm. Faulkener, one house.

Warsaw, N. Y.—H. S. Baker, plant house 14x50.

Middletown, Pa.—S. C. Young, house 20x100.

Purcellville, W. Va.—A. B. Davis & Son, carnation house 50x300.

West Hoboken, N. J.—E. G. Asmus, range of six houses.

Japanese Fern Balls.

ED. AM. FLORIST:—Please state how Japanese fern balls should be handled in order to secure the best results? W. W.

Japanese fern balls are usually received from abroad in a dormant condition, and the first thing to be done with them is to give them a good soaking in water, for they are likely to be dry after so long a voyage. They should then be hung up in a warm and partly shaded house. A palm house in which a night temperature of 60° to 65° is maintained will furnish about the right conditions in which to start them. In a short time the young fronds should appear and the chief care during this period is that the fern balls shall not be allowed to get too dry, else the tender foliage is likely to suffer. The best method of watering is to dip the entire ball in a tub of water. After the fronds have developed the fern balls may be removed to a lighter and more airy house, in order that the growth may be hardened somewhat before the plants are offered for sale.

From the fact that these fern balls are usually composed of a small mass of vegetable matter more or less covered with the rhizomes of certain davallias, D. Mariesii being most commonly used for this purpose, they are liable to suffer from lack of nourishment if kept on hand for any length of time, and to remedy this an occasional dipping in weak liquid manure will be found beneficial, for most ferns will respond to such treatment providing the manure water is not too strong. W. H. TAPLIN.

Some Recent Fires.

KENNETT SQUARE, PA.—A defective flue in the houses of C. J. Pennock resulted in a fire on January 2, but little damage was done.

TOUGHKENAMON, PA. — Fire caught from the furnace in the mushroom house of Wm. Sharpless a few days since but was extinguished with little loss.

COLUMBUS, O.—Affleck Bros. suffered the loss of four houses and a barn on New Year's day. The loss is estimated at $7,000, with only $500 insurance.

SUMMIT, N. J.—On the night of January 9 the Kent Place Nurseries, owned by the De Forest estate, were burned.

ELWOOD, IND.—Wm. Woernek lost a rose house, a carnation house and two plant houses by fire December 29, He was uninsured but will rebuild at once.

WAUPACA, WIS.—During W. Shaw's holiday visit in Chicago his greenhouse caught fire from an over-heated furnace, but the blaze was extinguished before great damage was done.

Washington.

THE FIRST STATE DINNER.—SEASON OPENED AUSPICIOUSLY.—LAVISH USE OF FLOWERS.—STORY OF THE FINE DECORATIONS.—TRADE QUIETS DOWN.—EXTRA CARNATIONS FROM VIRGINIA.

The first state dinner of the season was given Wednesday evening at the White House, where the President and Mrs. McKinley entertained seventy guests in honor of the members of the Cabinet. The company was welcomed in the East Room, which has been newly furnished and was handsomely decorated in red and green. The three large chandeliers, eight mirrors and the gold studded ceiling were festooned with smilax and asparagus. The columns were twined with the same, requiring about 500 strings six feet long, over half a mile of greens. The mirrors at the end of the room were banked with poinsettia, Adiatum cuneatum and Davallia Mooreana. The two on the east side were banked with a variety of crotons and Erica persoluta alba, used for the first time in decorating this room. The two mirrors on the west side were banked with fine-colored crotons, the most prominent varieties being Reedii, Dayspring, Chrysophyllum, Williamsii, Andreanum, Rothschild, Mortii, Lady Zetland and Johannis. Adiantums, davallias, Pandanus Veitchii and marantas were also used. The main entrance was banked on both sides with Areca lutescens, crotons, Nephrolepis davallioides furcans and marantas in variety. The fire places, four in number, were filled with palms, ferns and Dracæna Sanderiana. Under the center chandelier surmounting the divan was a medium sized specimen of Latania aurea. Under each chandelier on either side of the divan was a pyramid of ferns, marantas, crotons, Pandanus Veitchii and Curcuma Wallisii, surmounted by a fine specimen Licuala grandis. The east window, facing the main entrance, was tastefully banked with tall palms. In the center of each of the large mirrors on the east and west sides was suspended a large wreath of English holly finely berried. The decoration of this room was done under the supervision of George H. Brown.

The guests were presented to the host and hostess by Col. Bingham and Maj. McCawley. Mrs. McKinley received seated in one of the large chairs brought from the Blue Parlor. Shortly after 8 o'clock the President led the way to dinner with Mrs. Hay, Mrs. McKinley following immediately after with the Secretary of State. As has been the rule at all formal dinners of this administration the long table was placed in the Red Corridor and extending from end to end of the apartment. Here, as in the East Room, the decorations were more elaborate and much more beautiful than usual, a harmony of color being faithfully observed. The floral decorations was entirely in pink, the center Adiantum Farleyense and Begonia Gloire de Lorraine; on either side of this were tall crystal vases of Bridesmaid roses, then two flat pieces filled with pink primulas and small ferns. Then two more vases of Bridesmaid roses, and one flat piece at each end filled with pink begonias and ferns. The ceiling was decorated with southern smilax, and the walls with smilax, asparagus and palm leaves. In each of the two niches was a very fine specimen of Anthurium Ferrierense. The mirror rests were banked with adiantums and Roman hyacinths. In the Blue Parlor the decoration was a vase of extra fine poinsettias and Asparagus plumosus nanus. The State dining room was used as a smoking room, some fine palms being used. These decorations were under the supervision of Henry Pfister, head gardener at the White House conservatories.

Wm. R Smith has been confined to the house for a week or so with an abscess in his mouth, but he is improving and hopes to be out again in a few days.

The cut flower trade has quicted down to some extent and the boys are glad to get a little rest. Flowers are plentiful, such as carnations, roses and bulbous blooms, but violets were scarce all last week until Saturday.

A. B. Davis & Son are sending in some wonderfully fine carnation blooms from Purcellville, Va. Among them are Daybreak, Bradt, Genesee, Flora Hill, John Young, Evelina, C. A. Dana and Mrs. Jas. Dean. The Messrs. Davis have at present three houses 25x125 devoted to carnations, and the coming spring will build a house 50x300 feet. Their soil and climate are very favorable for the development of this flower, the conditions being almost exactly similar to those of the carnation belt of Pennsylvania.

P. G.

Cincinnati.

TRADE DULL.—BEAUTIES THE ONLY SHORTAGE.—CARNATIONS NOW OF FINE QUALITY.—PLANTS SELL WELL.—PURVEYORS OF PLEASURES PREPARE PLANS.

Trade can be called but fair and stock of all kinds is plentiful with the exception of Beauties. There has been an increasing demand for Beauties the past season. Carnations are more plentiful and so far

sufficient for all demands; they have vastly improved in quality the past few weeks and the stores never before showed a finer collection of the divine flower. Violets of choice quality have been selling well, but a large quantity of second grade flowers is on the market and these sell slowly. George & Allan are sending in a few Von Sions, the first yellow daffodils in the market here. Plant trade is reported fair. Azaleas and cyclamens hold a place of prominence in this line and prices hold up well.

Messrs. Charles Jones and Frank Ball have decided to call a meeting in order to make arrangements for the June outing and W. Murphy and Ben. George will be given honorable positions as assistants; it seems as though this is rather early to speak of outings, but when Charlie does a thing, he does it well. H. SCHWARZ.

OBITUARY.

MRS. J. B. NUGENT.

Mrs. J. B. Nugent died on January 10, aged 77 years. She leaves a husband, two sons and two daughters, one son being J. B. Nugent, Jr., of Young & Nugent, the New York commission men. Three years ago Mr. and Mrs. Nugent celebrated their golden wedding in a very joyous manner, surrounded by a host of relatives and loving friends.

MICHAEL BUTLER.

Michael Butler, one of the oldest of the Newport, R. I., florists, died on Saturday, January 6, aged 71 years, after a painful illness of several months. Mr. Butler came to Newport from Ireland in June, 1848, and a year and a half ago observed the fiftieth anniversary of his arrival here. In 1851 he engaged in business as a florist and gardener, in which he continued until advancing years forced him to retire from active work, J. J. Butler, his son, carrying on the business since. The grounds of many of the fine summer residences of Newport were laid out and planted by Mr. Butler during his half century in floriculture. For a number of years his business was carried on with a partner, under the name of Smith & Butler. Mr. Butler was a devoted churchman and an uncompromising prohibitionist. He was the most active of the founders of the Father Mathew Total Abstinence Society, being its active president for thirteen years and its honorary president afterwards. He leaves two children, J. J. Butler and Mrs. Chas. J. Moore.

W. F. EATON.

William Freeman Eaton died on Tuesday, January 9, of Bright's disease. He was 35 years of age. His death, after only two days' illness, was a great shock to those in the trade at Philadelphia, among whom all were his friends, as his bright, sunny disposition made him a favorite with all those who in any way came in contact with him. His first connection with the business was when, at 10 years of age, he entered the employ of Frederick Lucking, of North Fifth street, as errand boy. About ten years later he left Mr. Lucking and spent several years with Mr. Wagner, of Tioga, whose service he left to go into business for himself, buying out C. F. Bell, at 1108 Girard avenue, where he has since conducted quite a successful business. Mr. Eaton had not the desire to spread out, being of the opinion that a small business well conducted, where the proprietor could personally superintend the details, was more profitable than one involving a large outlay and the attendant risks and expense that cuts so into the profits; and it may be said that he succeeded admirably on these lines. He took an active interest in the affairs of the Florists' Club of Philadelphia and was often seen at the meetings. A special meeting of the club was called, at which resolutions were adopted expressing the deepest sympathy for his bereaved family. Expressions of the high appreciation in which he was held were offered by many of the members present. Mr. Eaton leaves a wife and four children. Interment was on Friday afternoon at Northwood Cemetery. The grave was lined and the surrounding lots covered with palms by his intimate friends of the club. A large number of designs, including one from the club, were also sent. The services were largely attended, showing the esteem in which he was held by all. K.

BROCKTON, MASS.—At the last meeting of the Gardeners' and Florists' Club, the following officers were elected: President, John McFarland; vice-president, Henry Duly; secretary, Robt. Newsham; treasurer, Wm. Hathaway, Brockton, Mass. All correspondence should be addressed to the treasurer.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a first-class all-round man, single. Roses a specialty; references. Address JOHN RING, 118 Ogden Ave., Chicago.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J. A. T., care American Florist.

SITUATION WANTED—By a thoroughly competent man, age 26; eleven years' experience in every branch. Steady, sober; references. Address CHICAGO, care American Florist.

SITUATION WANTED—General greenhouse work; accustomed to shipping and propagating departments; age 23. References, State wages. FLORIST, care American Florist.

SITUATION WANTED—By a sober, industrious man, single, middle-aged, as assistant in greenhouse work, private or commercial. Address W. HELLMAN, care Box 688, Chicago.

SITUATION WANTED—As grower of carnations and tea roses or working foreman on retail place. First-class cut flower worker and decorator; married. Address GEO. R. L., care American Florist.

SITUATION WANTED—By thoroughly reliable all-round gardener and florist, competent to fill any position commercial or private; prefer private place near Chicago. State wages. Address 805 W. Wrightwood Ave., Chicago, Ill.

SITUATION WANTED—By thoroughly reliable and practical man, lifetime experience. Competent in all branches; careful grower; expert designer and decorator; cut flower store experience. Leaving present position on account of place changing hands. Only up-to-date place need inquire; married; A1 references. Address SCOTCH, care American Florist.

WANTED AT ONCE—Good rose grower as assistant. Address SOUTH PARK FLORAL CO., New Castle, Ind.

WANTED—Young man to do general greenhouse work; $12 per month, board etc. Address P. B., care American Florist.

WANTED—Boy to learn the greenhouse business and the growing of cut flowers. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—A first-class all-round greenhouse man. State experience as propagator and potter. Address GEO. A. KUHL, Pekin, Ill.

WANTED—A crack rose grower; $15.00 per week. Send references. GLAUBER & WEBB, 929 16th St., Denver, Colo.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—Young man to take charge of section of rose houses under foreman. Salary, $20 to $25 first year, board, etc. Address M. G., care American Florist.

WANTED—A strictly temperate florist of 15 years' experience wants to buy stock and rent a moderate sized place in city of 20,000 or over. Address SANFORD, care American Florist.

WANTED—Florist, single, one used to Rocky Mountain country preferred. Steady place, $25 per month with board, room and laundry. Address BYRON H. IVES, Albuquerque, N. M.

WANTED—Grower capable of taking charge of 75,000 feet of glass, also one good greenhouse hand. A good position for the right men. JOHN IRVINE & SONS, Bay City, Mich.

WANTED—Polite, sober young man, as store assistant; wages and commission of gross sales. Address LIGHT FUCHS, 2359-79, No. Halsted St., Chicago.

WANTED—Single man, must have some experience in general greenhouse work, steady and a good worker. State experience and wages expected with board. Address B F T, care American Florist.

WANTED—A good grower of carnations and miscellaneous stock; must be good designer; one acquainted with the requirements of the Chicago trade preferred. Address C. C. care Vaughan's Seed Store, Chicago.

WANTED—A young man, German, who understands general greenhouse work; must be sober and willing to work. Place steady with board and room, wages $15. Address J. RINDFLEISCH, Beloit, Wis.

FOR SALE—Commercial place of R. D. BAKER, Canon City, Colo.

TO RENT—For cash or share, greenhouses of 9,000 feet in full operation. Address GREENHOUSES, care American Florist.

FOR SALE—A florists' wall case and counter, also a florists' refrigerator, cheap for cash. Description of same will gladly be given by applying to the undersigned. JOHN A. MAY, St. Paul, Minn.

FOR SALE, CHEAP—Two greenhouses 20x100 each; well stocked; steam heat; houses three years old and all right; 3 acres market gardens; no opposition; good chance for right man. Write for particulars to H. F. SERRELL, Oxford, Mich.

FOR SALE—Who wants a chance to secure a home and a business for little cash; dwelling and 400 ft of glass; no competion; good thing for florist or lettuce grower; only $400 required. AI CHANCE, care American Florist.

FOR LEASE—$10 per month, near Baltimore, six greenhouses, land for stock, steam, cheap coal, steam pump, well stocked, telephone connects Baltimore, Md. Suitable for wholesale carnations or roses. Address H. S. ROOP, Westminster, Md.

FOR SALE.

First-class, well established florist business, located in western Iowa, in a live city of 5000 inhabitants, and 15 thriving cities within 40 miles; good R R connections. Good home market. Good shipping trade. No competition. Six large houses, all new, in heart of city; full of stock in excellent condition. Will be sold very reasonable if taken at once. Good reason for selling. Do not write unless you mean business. Address IOWA, care American Florist

For Sale

in a growing railroad town of 4000, two greenhouses, well stocked; tools, delivery wagon, etc. Good four-room house. Business increasing about 33 per cent every year. Address

FLORAL PARK GREENHOUSES,
Horton, - - Kans.

FOR SALE. A first class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

.·. FOR SALE .·.

A Greenhouse plant of 38,000 square feet of glass, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with every modern appliance; have Herendeen boilers, and are well stocked with Roses, Carnations, Ferns and everything pertaining to the business. Will be sold at a sacrifice, as owner has other interests.

For further particulars apply to

PROPRIETOR,
P. O. Box 797, Pawtucket, R. I.

Catalogues and Cut Flower Price Lists Received.

Henry Nungesser & Co., New York, N. Y., grass seeds; Peter Henderson & Co., New York, N. Y., seeds, plants and bulbs; Rose Manufacturing Co., Niagara Falls, N. Y., insecticides; C. W. Eichling, New Orleans, La., seeds and plants; McGregor Bros., Springfield, O., plants; Gustav & J. W. Ludwig, Allegheny, Pa., floral arrangements; Wood & Stubbs, Louisville, Ky., seeds; Oscar H. Will & Co., Bismarck, N. D., seeds and trees; Cincinnati Cut Flower Co , Cincinnati, O., cut flowers and florists' supplies; J. B. Deamud, Chicago, Ill., cut flowers.

COLUMBUS, MISS.—H. Hughes, of Philadelphia, is now with John Laws, who is enjoying a very good business.

MIDDLETOWN, CONN.—The business of the late G. C. Stedman is being closed out, and, after disposition of stock on hand, will be discontinued.

Cincinnati.. Cut Flower Co.,
416 Walnut St., CINCINNATI, O.
W. A. MANN. FRANK W. BALL.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

Wholesale Flower Markets

CINCINNATI, Jan. 11.

Roses, Beauty, select	75 00
" medium	25.00
" Bride	4 00@ 6.00
" Bridesmaid	4 00@ 6 00
" Meteor	6 00@ 8.00
" Perle	4 00@ 5 00
Carnations	1 00@ 1 50
" fancy	3 00@ 5 00
Lily of the Valley	3.00@ 4 00
Violets	.75@ 1.00
Narcissus	2 00@ 3 00
Roman Hyacinths	2 00@ 3 00
Callas	8 00@10 00
Harrisii	8.00@10.00
Poinsettias	25 00
Daffodils	4 00
Asparagus	50 00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15

ST. LOUIS, Jan. 11.

Roses, Beauty	10 00@20.00
" fancy	25.00@50.00
" Bride, Bridesmaid	6 00@ 8.00
" Meteor	6 00@ 8 00
" Perle Wootton	4 00@ 6 00
Carnations	1 00@ 2 00
Lily of the valley	4 00
Violets	.75@ 1 00
Narcissus	2 00@ 3.00
Romans	2.00@ 3 00
Stevias	.50@ .75
Smilax	15.00@18 00
Adiantum	1.00
Asparagus	50.00@75.00
Sweet Peas	2 00

MILWAUKEE, Jan. 11.

Roses, Beauty, long per doz.	3.00@ 4 00
" " medium " "	1.50@ 3.00
" " short " "	.50@ 1 00
" Bride, Bridesmaid	6.00@ 8.00
" Perle	4.00@ 5.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations	2 00@ 3 00
Stevias	2.00
Roman Hyacinths	3 00@ 4 00
Mignonette	2.00@ 3.00
Adiantum	1 00@ 1 50
Common ferns	.75
Smilax	15.00@18.00
Asparagus	75.00

PITTSBURG, Jan 11.

Roses, Beauty	10.00@75 00
" Bride, Bridesmaid	4.00@10.00
" Meteor	4.00@10.00
" Kaiserin	4 00@10.00
" Perle	4.00@ 8.00
" Cusin	4.00@ 6 00
Carnations	75@ 3.00
Lily of the valley	3.00@ 4 00
Violets, double	.50@ 2.00
" California	.50@ .75
Narcissus Paper White	2.00@ 3 00
Roman Hyacinths	1 50@ 3.00
Harrisii	15 00@20.00
Smilax	12 00@15 00
Wild Smilax per case	3 50@6 00
Adiantum	.75@ 1 00
Hardy ferns	.10
Asparagus bunches	40c
" strings	35 to 50c
" Sprengerii bunches	.35 to 75c
Galax Leaves	.15

FLORISTS WHO BUY ORCHIDS

will find the following statements interesting facts:

I. The "Rosebank" Nurseries have the largest collection of Orchids in the country.
II. This establishment is the only one outside of New York growing Orchids for the trade.
III. The "Rosebank" products are never sold through wholesale dealers.
IV. Orchids offered by wholesale dealers are consigned and shipped from New York.
V. The dealers themselves admit that "Rosebank" Orchids are far superior to those shipped from New York.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

NO CHARGE FOR PACKING.

Please mention the American Florist when writing.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

CARNATION CUTTINGS.

	Per 100	Per 1000
MRS. LAWSON	$14 00	$120.00
G. H. CRANE	5 00	
AMERICA	5 00	40 00
MELBA	4 00	30 00
LESLIE PAUL	4 00	30.00
GOV. GRIGGS	4 00	30.00
MRS. BRADT	3.00	25 00
FRANCES JOOST	2 50	20.00
EVANSTON	2 50	20 00
JUBILEE	2.50	20.00
VICTOR	2.50	20.00
WHITE CLOUD	2 50	20.00

	Per 100	Per 1000
FLORA HILL	$2 00	$15.00
GOLD NUGGET	2.00	15.00
TRIUMPH	2.00	15 00
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
LIZZIE McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1 00	7.50
NIVEA	1.00	7.50
MORELLO	1.00	7.50

All plants and cuttings sold with the express understanding that it not satisfactory they are to be returned at once, when money will be refunded.

Peter Reinberg, 51 WABASH AVE., **Chicago.**

Please mention the American Florist to our advertisers.

CHOICE CUT FLOWERS.....

Chicago Agent for Caldwell's WILD SMILAX.
FANCY CARNATIONS a specialty.
Unlimited quantities of FANCY FERNS. Vermont Fern Co.'s best in the market.

J. B. Deamud, 51 Wabash Ave., ...CHICAGO.

If you are not receiving our weekly price list ask for it.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, BULBS, ETC., ETC.

We are strictly headquarters in the Western States for MASSACHUSETTS FANCY FERNS,

Present prices: Per M. $1.50; per 5 M lots, $5.50.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

All stock at lowest possible prices.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

GEO. REINBERG,
Wholesale Grower of Cut Flowers.
BEAUTIES, ROSES, CARNATIONS.
All stock at lowest market rates. Send in your orders.
51 Wabash Ave., CHICAGO, ILL.

KENNICOTT BROS. CO.
Wholesale Cut Flowers and Florists' Supplies.
42-44 RANDOLPH ST., CHICAGO.
WIRE WORK A SPECIALTY.

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO
Please mention the American Florist when writing.

PETER REINBERG,
Grower and Wholesaler of Cut Flowers.
500,000 FEET OF GLASS.
Headquarters for American Beauty. Carnations, Blooms and Cuttings.
51 Wabash Ave., - CHICAGO, ILL.

.....If your.....
Business Methods
are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO, Jan. 12.

Roses, Beauty,	extra long stems		6.00@ 8.00
" "	30 inch	"	5.00
" "	24 "	"	4.00
" "	20 "	"	3.00
" "	15 "	"	2.00
" "	12 "	"	1.50
" "	8 "	"	1.00
" Bride, Bridesmaid.			6.00@ 8.00
" Perle			4.00@ 6.00
" Meteor			6.00@ 8.00
" Kaiserin			6.00@ 8.00
" La France			6.00@ 8.00
" Golden Gate			10.00
Carnations			1.50@ 2.00
" fancy			3.00@ 4.00
Violets, double			.50@ 1.00
" single			.40@ 1.00
Lily of the Valley			3.00@ 5.00
Cattleyas		per doz.	6.00
Dendrobiums		"	3.00
Lilacs		per doz.,	$1.00
Mignonette			1.00@ 2.00
Roman Hyacinths			1.00@ 2.00
Narcissus			3.00@ 4.00
Harrisii		per dozen	1.50
Callas		"	2.00
Freesias			4.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy Ferns			.20
Smilax			10.00@20.00
Asparagus			50.00@60.00

SHIPPING LABELS FOR Cut Flowers

Printed in two colors on gummed paper, your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

E. H. Hunt
THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS
Hunt's Flowers Go Everywhere
76 Wabash Ave., CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL
Wholesale Florist
Don't Forget that we are at 4 Washington St., Chicago.
Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,
37-39 Randolph Street. CHICAGO, ILL
Mention the American Florist.

Benthey & Co.
F. F. BENTHEY, Manager,
Wholesale Commission Florist
41 Randolph Street, CHICAGO.
Consignments solicited.....

A. G. PRINCE & CO.
Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.
Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.
76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers
504 LIBERTY ST. 'PHONE 2157.
Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT 1783 PITTSBURGH, PA. — Roses Violets
CONSIGNMENTS SOLICITED.
Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

.50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN
Always on Hand:
CARNATIONS, FLORISTS'
BRIDESMAIDS, SUPPLIES
BRIDES.
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2085.

Consignments of Roses, Carnations and Violets Solicited.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Wholesale Flower Markets

PHILADELPHIA, Jan. 10.

Roses, Tea	6.00@10.00
" extra	10.00@12.00
" Beauty, extra	75.00
" " firsts	24.00@50.00
" " seconds	10.00@15.00
Carnations	1.00@ 2.00
" fancy	2.00@ 3.00
Lily of the valley, Romans	3.00@ 5.00
Violets	1.00@ 1.50
Mignonette	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00

BOSTON, Jan. 10.

Roses, Beauty, extra	30.00@50.00
" " medium	15.00@20.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	4.00@ 8.00
" " special	8.00@12.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 4.00
Lily of the valley	2.00@ 3.00
Violets single and double	.75@ 1.00
Paper White Narcissus	1.50@ 2.00
Roman Hyacinths	.75@ 1.00
Mignonette	4.00@ 6.00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	1.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

in either stiff or flexible cover. ADDRESS ORDERS TO

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J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. rice list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Sq.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower, Ashtabula, Ohio.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Jan. 10.

Roses, Beauty select	25.00@40.00
" " medium	10.00@15.00
" " culls	2.00@ 6.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" Specials	6.00@12.00
Carnations	.50@ 1.50
" fancy	2.50@ 4.00
Lily of the valley	1.50@ 2.00
Violets	.50@ 1.50
Paper White Narcissus	1.00
Romans Hyacinths	.50
Yellow Narcissus	2.00@ 3.00
Mignonette	2.00@ 8.00
Callas, Harrisii lilies	8.00@10.00
Cattleyas	25.00@35.00
Dendrobium formosum	15.00@25.00
Cypripediums	10.00@12.00
Smilax	8.00@12.00
Asparagus	35.00@50.00
" Sprengeri, per doz. bunches	1@1.50
Adiantum	1.00

BUFFALO, Jan. 11.

Roses, Beauty	5.00@75.00
" Bride, Bridesmaid, Meteor	3.00@10.00
" Paris, Niphetos	3.00@ 6.00
" Kaiserin	3.00@ 8.00
Carnations, ordinary	1.00@ 2.00
" fancies	3.00@ 4.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 2.00
Narcissus Paper white	2.00@ 3.00
Roman Hyacinths	1.00@ 3.00
Harrisii	15.00@20.00
Callas	10.00@15.00
Stevias	1.00@ 1.25
Chrysanthemums	8.00@12.00
Smilax	12.50@20.00
Adiantum	.75@ 1.25
Hardy Ferns, Galax Leaves	.15
Asparagus	33.00@50.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Galax Leaves.
GREEN and BRONZE,
New crop. Finest stock only, for the HOLIDAY SEASON.
THE INTRODUCER
HARLAN P. KELSEY,
1106 Tremont Bldg., BOSTON, MASS.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED CHICAGO: M. H. Smith, of Muscatine, Iowa.

C. S. CLARK, of Wakeman, Ohio, is very busy now shipping seed corn to his customers.

PEA and bean growers report liberal advance contract orders already booked for 1900 crop.

THE Agricultural Department will send out fifteen million packages of seeds the coming season. By their fruits ye shall know them.—*Boston Transcript.*

THE Salzer Seed Company, of La Crosse, Wis., is filling an order for sixteen carloads of seed potatoes to be shipped to Brenham, Texas. There will be from 8,000 to 10,000 bushels in the shipment.

A RECENT action of contract by Thos. Griffin against Jos. Breck & Sons Corporation, Boston, to recover $400 damages for breach of an alleged warranty that seed bought from them was Turnip Blood beet seed was decided by Judge Bishop in favor of the defendant.

Seed Trade in Kansas City.

Fourth city in the United States is the rating accorded Kansas City in the amount of grass, field and garden seeds handled here. Last year the local wholesale business done amounted to $1,500,000 and showed an increase of about ten per cent over that for the preceding year. The market for the entire year was strong and healthy and prices were a shade higher throughout than those for 1898. The early spring business has been especially large.—*The Kansas City Journal.*

Government Wants Catalogues.

ED. AM. FLORIST:—Will you kindly insert the following announcement in your next issue:

The Department of Agriculture often receives letters asking where the seeds of certain varieties of vegetables and flowers can be purchased. In order that these questions may be readily and accurately answered the Division of Botany is preparing a list of dealers and varieties offered, and would request that all seedsmen forward their catalogues to the Division as soon as issued so that the list may be made as complete as possible. The varieties they offer can then be included in our list and enquiries regarding them promptly answered.

Seedsmen are requested to send catalogues to The Seed Laboratory, Division of Botany, U. S. Department of Agriculture, Washington, D. C. Yours very truly,

A. J. PIETERS,
In charge of Pure Seed Investigations.

BUTTE, MONT.—The Butte Floral Co. is erecting two houses 20x100 at Gregson Springs, eighteen miles from here, and expects to increase the number to ten or twelve in the spring. They will heat with natural hot water. The company has incorporated with $15,000 capital. The officers are Wm. J. Day, president; John L. King vice-president; King, secretary and treasurer.

Tested Flower Seeds for Seedsmen & Florists

ASTER—Semple's True Branching, mixed, large trade pkt, 20c.; 50c per oz. Semple's Shell Pink, white and red, large trade pkt, 25c; 75c per oz. Improved Peony Flowered Perfection mixed, large trade pkt., 25c.; per oz. 75c. Improved Victoria, mixed, large trade pkt. 25c.; per oz. $1.25.
AMPELOPSIS VEITCHII—Per oz., 10c.; per lb., 75c.
CLEMATIS PANICULATA—Fine stock, large trade pkt., 15c.; per oz., 50c.; per lb., $5.00.
COBEA SCANDENS—(new crop) Large collection pkt., 10c.; per oz., 30c.
DOUBLE DAISIES—Choice German mixed, large trade pkt., 30c.; per oz., $2.00.
LOBELIA Crystal Palace Compacta (true) large trade pkt., 25c.; per oz., $1.50.
MIGNONETTE Machet (true) large trade pkt., 10c.; per oz., 40c. Defiance (true) large trade pkt., 25c.; per oz., 75c.
NASTURTIUM—Tom Thumb, mixed, (new crop) per oz., 10c.; per lb., 50c.; per 100 lbs., $45.00. Tall, mixed, (new crop) per oz., 10c.; per lb., 45c.; per 100 lbs., $40.00.
PANSY—Johnson & Stokes' Kingly collection (prize strain), large trade pkt., 50c.; per oz., $5.00.
SALVIA SPLENDENS—(Floracroft strain) large trade pkt., 20c.; per oz., $1.00; per lb., $12.00.
SMILAX—Per oz., 30c.; per lb., $2.50.
VERBENA—Mammoth Mixed, large trade pkt., 25c.; per oz., $1.

JOHNSON & STOKES, Seedsmen,
217 and 219 Market Street, PHILADELPHIA, PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of
CHOICE FLOWER SEEDS FOR FLORISTS
is now ready. A post-card will bring it to you.
We have still on hand some of our
LILY OF THE VALLEY PIPS,
the finest that come to this country.
Per 1000, $10; cases of 3000 at $9 per 1000.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

BULBS. LOW SPECIAL OFFER.

	Per 100
SINGLE HYACINTHS, named varieties	$4 80
" " " colors	3 75
TULIPS, SINGLE EARLY, mixed	.65
" " LATE, "	.70
" DOUBLE EARLY, "	.70
" " LATE, "	.65
" PARROT, mixed	.75
CROCUS, mixed	2 35
NARCISSUS POLYANTHUS, yellow, mixed	1.00
" VON SION	1.30
ANEMONES, single, mixed	.75
" double, "	1.10
OXALIS BOWEII	1.00
" VERSICOLOR	.75
SCILLA SIBERICA	.75
CHINESE LILIES	4 00
FREESIA REFRACTA ALBA, large	.75
LILIUM HARRISII, 5 to 7	3.25
" " 7 to 9	8 00

Order at once. Terms cash. **H. L. HOLMES, Harrisburg, Pa.**
Please mention the American Florist when writing

Lily OF THE Valley
PIPS.
"London Market" and "Premium" Brands.

VAUGHAN'S SEED STORE,
NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

Gardening Under Glass



Try Watson's for
SELECT STOCKS
of Tomato and other seeds for forcing. You will not be disappointed. 25 years' experience behind every order filled.

	Packet.
TOMATO, Sutton's Best of All	$0.15
Lorillard, originator's stock	.15
Mayflower, extra selected	.15
Frogmore, Veitch's original sealed packets	.50
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25
MUSHROOM SPAWN, my celebrated "W. P." brand, best in the world. 10 lbs. for $1.00. Sample brick, postpaid, for 25c.	
RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen	
GRAPE VINES, for graperies. 30 varieties. 1-yr., 75 cts; 2-yr., $1.50 each.	

Bailey's Forcing Book The latest up-to-date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass, 220 pages, 88 illustrations, price $1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,
Importer and Exporter of
GRASS and GARDEN SEEDS, BULBS,
Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.
Office & salesroom Juniper St. below Walnut,
PHILADELPHIA, PA.

XXX SEEDS

VERBENA GRANDIFLORA.
Good percentage of white.
The finest strain of Improved Giant Verbenas yet produced; largest flowers and best colors, per pkt., 800 seeds, mixed colors, 50 cts.

CHINESE PRIMROSE.
Best large, single and double, 500 seeds, $1.00.

PHLOX DRUM. PUMILA,
New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales. Mixed colors; per trade pkt., 20 cts.

A pkt. of new double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES.

Tell them where you saw the ad.

FOR PRESENT SOWING.

Choicest Strains for Florists' Use, and of New Crop.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt, 50c.; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14.00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

PANSY, CHICAGO PARKS MIXTURE, trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, Snowball and Longfellow. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trade pkt., 10c; oz., 40c.
" **CANDIDISSIMA.** 1000 seeds, 25c.; oz., $1.

DRACAENA INDIVISA. Oz., 30c.; lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trade, pkt., 25c; ⅛ oz., 35c.

KENILWORTH IVY. Trade, pkt. 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

LOBELIA CRYSTAL PALACE COMPACTA. Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

LOBELIA, SUTTON'S GEM. White, pink or blue. Each, trade. pkt., 20c.

LOBELIA, White Lady; dwarf white. Pkt., 15c.

MIGNONETTE MACHET, true. Pkt., 10c.; oz., 40c.
" Bismarck, new, an improved Machet. Pkt., 15c.; ¼ oz., 30c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE, mixed, extra fine, 600 seeds, $1.00.

PETUNIA DOUBLE WHITE AND DOUBLE FRINGED WHITE, each, 250 seeds, 50c.

PRIMULA FORBESI, "Baby Primrose," 500 seeds, 25c.
" " **COMPACTA,** new, 500 seeds, 35c.

SALVIA SPLENDENS, Clara Bedman. Pkt. 25c.
" " Drooping spikes. ¼ oz., 25c.
" " New crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA and ROSEA, each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz., 30c; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura, and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST' MIXTURE contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent on orders for flower seeds for $2.00 and over for cash with order.

For other seeds, send for our complete Flower Seed List.

New York. **VAUGHAN'S SEED STORE,** Chicago.

October Potted Plants.

			Per 100
10000	**Chinese Primulas,** fine	2¼-in.,	$1.50
40000	**Alternantheras,** 4 varieties	"	2.00
5000	**Feverfew Little Gem**	"	2.00
2000	" yellow foliage	"	2.00
10000	**Coleus,** 15 varieties, fine	"	1.50
10000	**Begonias,** 15 " "	"	2.00
2000	**Forget-Me-Not,** winter bloomer	"	2.00
2000	**Obconica,** extra strong	"	2.00
2000	" " "	3½-in.,	3.00
2000	**Iresines,** red. "	2½-in.,	2.00
1000	**Mesembryanthemum Erectum**	"	2.00
1000	**California Moss**	"	2.00

5 plants at 100 rates.

CASH. We have only what is in this ad. for sale.

W. H. MURPHEY, Minooka, Ill.

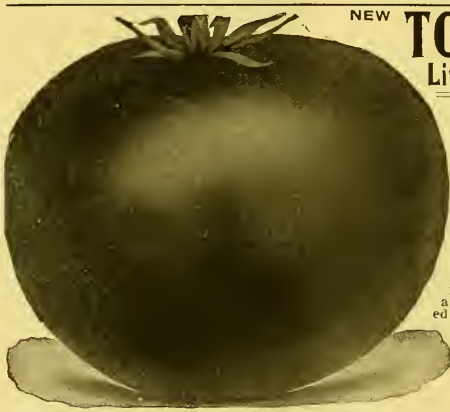
GROW WHILE YOU SLEEP.

	Trade Pkt.	Oz.
Pansy, Giant Trimardeau, separate colors or mixed,	$.25	$2.00
Phlox nana compacta, mixed,	.25	1.50
" " " Fireball,	.25	2.25
" " " Snowball,	.25	2.25
Pyrethrum, Golden Feather	.15	.40
Salvia splendens	.25	1.50
" " Clara Bedman	.25	2.50
Smilax	.15	.40
Stock, Snowflake	.50	
" large-flowering, dwarf white	.35	3.50
Verbena, mammoth mixed	.25	1.50

	Trade Pkt.	Oz.
Cobæa scandens, white	$.15	$.35
" " blue	.25	1.00
Cyclamen gigan., mixed, 100 seeds $1.00.		
Dracæna indivisa	.15	.30
Grevillea robusta	.15	.40
Lobelia, Crystal Palace comp.	.25	2 00
Mignonette, Allen's Defiance	.25	1 00
Petunia, large-flowering, single, mixed	1.00	
Petunia, large-flowering, fringed, single, mixed	1 00	
Petunia, choice blotched and striped	.25	1 00

WM. ELLIOTT & SONS,

54 & 56 Dey St., NEW YORK.



NEW **TOMATO** FOR 1900

Livingston's MAGNUS

This very distinct and most promising new variety, of the color of BEAUTY and ACME, is the latest addition by Livingston to the Tomato family. It is thicker, heavier, and more solid than either of the above, making it easily the most handsome sort in cultivation. The form is perfect, uniform, large and attractive. Flesh very firm. It is a robust grower, with short joints, setting its fruit clusters closer together than most varieties, and is therefore a heavy cropper. We have tested it for several years for forcing in greenhouses, and it has excelled all other varieties for this purpose.

PRICES:— Per Pkt., 20c; 3 Pkts. 50c.; 7 Pkts. $1.00

THE LIVINGSTON SEED CO., Columbus, Ohio.

Send for our NEW LIST of Plants for EASTER forcing. Florists FRESH Flower Seeds, etc. READY NOW. Tuberous Begonias, single, 5 separate colors, 1 to 1½ inch, doz. 40c; 100 $2.50; 1½ to 2 inch, doz. 50c; 100 $3. Dbl. separate colors, EXTRA LARGE, doz., 80c; 100, $6; 1 to 1½ inch, doz. 75c; 100, $5. Gloxinia, FINEST strains, doz., 50c; 100, $3. READY JANUARY, Asparagus Sprengeri seed, 100, 75c; 1000, $6. Asp. Pl. Nanus, 100, $1.25; 1000, $10. Latania borb. seed, 100, 40c; 1000, $2.50. Pandanus utilis, 100, $1.25; 100, $10. Cocos Wed., 100, $1; 1000, $7.50. Japn. Fernballs, sample 50c; doz., $4.50.

H. H BERGER & CO., 47 Barclay St., NEW YORK.

SEEDS OF Asparagus Sprengerii,

$7.50 per 1000 seeds, 80 cts. per 100 seeds.

Asparagus Plumosus Nanus,

$10.00 per 1000 seeds, $1.25 per 100 seeds.

Less 10 per cent for Cash with Order

August Rolker & Sons, 52 Dey St., New York.

50,000 Gladiolus Bulbs for Sale

They are of good size and a greatly improved mixed strain from the German, French, Lemoine, Luther Burbank and the Chilsi seedlings; principally white and light colors.

At wholesale, $4.00 per 1000. In lots of 5000 or more will give time till list of June, 1900, to responsible parties. Otherwise, cash with order.

GEO. BILLOW, Akron, O.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,

NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Ball Head and Cauliflower Wiboltt's Snowball.

Awarded highest prize St. Petersburg, May, '99.

LILY OF THE VALLEY PIPS.

Please mention the American Florist when writing.

STORM KING DAHLIA

READY NOW.. **For Forcing.**

Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.

W. P. PEACOCK, Atco, N. J.

Please mention the American Florist when writing.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS, Pres.; D. S LAKE, Vice-Pres.: GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

H. R. COTTA, the Freeport, Ill., nurseryman, has filed a petition in bankruptcy. He says it was the big freeze of a year ago which broke him.

G. B. SPITLER, W. B. Hunter and E. R. Hurlbert will establish a nursery at Mt. Sion, Ill., near Decatur. Mr. Hurlbert was formerly with the Spaulding Nursery Co., Rochester, N. Y.

THE Newport Nursery Co., Newport, R. I., has made an assignment. The failure is said to be most disastrous and the liabilities, as represented, will not warrant the payment of ten cents on the dollar.

C. L. YATES, of Rochester, nurseryman and publisher, says that the trade is enjoying widespread prosperity, that business is booming, better wages are being paid and that political differences are most to be avoided.

CHASE BROS., of Rochester, are quoted as saying that nurserymen who have been discouraged by low prices for several years are much more cheerful as the result of last year's business. Plantings by orchardists have increased and higher prices have been realized. We are getting back to the former conditions when trees and shrubs sold at living prices. The farmers are more prosperous and therefore there is greater demand for trees to be planted.

Bred in Old Kentucky
ROOTED CUTTINGS.

	Per 100	Per 1000
10,000 GERANIUMS, all colors, finest varieties	$1.50	$12.00
SALVIA SPLENDENS	1.00	8.00
HELIOTROPE, 3 varieties	.80	7.00
AGERATUM, blue	.60	5.00
GIANT ALYSSUM	1.00	8.00
LANTANA, 4 varieties, 2-inch pots	2 00	18 00
GERANIUMS, all colors, finest varieties, 2-inch pots	3 00	25.00

Express prepaid.
Satisfaction guaranteed.
C. L. BRUNSON & CO., Paducah, Ky.

20 PER CENT DISCOUNT ON ALL STOCK.
For two weeks only.
CYCLAMEN Persicum Splendens Giganteum, a few hundred plants left, in bud, from 4 inch pots 1.50 per doz.; $12 00 per 100
NOW READY—Cyclamen P. S Giganteum, in 4 true colors, twice transplanted from flats, $2 50 per 100, $20 00 per 1000.
CHINESE PRIMROSES. Fringed foliage, finest market varieties from 2½ in. pots, $2 50 per 100; from 3 in. pots strong, well-grown plants, in seven colors, including blue double white and red, $4 00 per 100; from 4 in. pots, $1 per doz ; $8 00 per 100.
PAUL MADER, East Stroudsburg, Pa.

WANTED.
Some one in Southern California to sell me cut flowers. Roses, carnations and callas, well packed for long shipment. Stock must be first-class and fresh, and prices bottom. Address.
MRS. T. S HILLYER,
205 West 15th St., AUSTIN, TEXAS.

SPECIALTIES IN BEST VARIETIES
ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.

PANSIES WORTH RAISING
GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.
C. SOLTAU & CO.,
199 Grent Ave., JERSEY CITY, N. J

FIELD GROWN, OWN ROOT
ROSE BUSHES.
TENDER AND HARDY SORTS.
BOSTON IVY.
Send in your list of wants for pricing.
THE HOWLAND NURSERY COMPANY.,
LOS ANGELES, CAL.

Several thousand strong field grown, 2 year old
ZELIA PRADEL ROSE
plants for sale, $15.00 per 100.
JOHN WOLF, - Savannah, Ga.

AMERICAN ELMS.
8 to 10 feet, 1 to 1½ inch caliper.
25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.
SEND FOR PRICE LIST.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

CALIFORNIA PRIVET CUTTINGS.
From choice plants, grown at the sea shore, for sale. In view of the immense demand for Privet, nurserymen should increase their stock and all horticulturists should raise some of this favorite hedge plant. Send $1.25 for sample of 1000 cuttings.
ATLANTIC COAST NURSERIES,
606 Fourth Ave, Asbu y Park, N J.
James H. Cornell, Prop.

Commercial Violet Culture.
BY PROF. B. T. GALLOWAY,
Chief of Division of Vegetable Physiology and Pathology, U. S. Department of Agriculture, Washington, D. C.
For description see advertisement on page 686, last issue.
PRICE, POSTPAID, $1 50.
The Florists' Exchange, 64 and 66 Duane St. New York.

JUST OUT!
"Landscape Gardening as Applied to Home Decoration."
BY PROF. SAM'L T. MAYNARD, of the Massachusetts Agricultural College.
354 pages, 155 Illustrations. Invaluable.
$1 50 per Copy.
For Sale by VREDENBURG & CO., Rochester, N. Y.

LONG'S
Frequent Call Telephone Cards
WITH 1900 CALENDARS.
A new idea in advertising for the Florist. Practical and inexpensive. Samples 10 c. in stamps.
DAN'L B. LONG, Publisher, Buffalo, N. Y.
Please mention the American Florist when writing.


FOR 1900. FOR 1900.
HIBISCUS PEACHBLOW.
This is one of the finest plant novelties offered in recent years. The flowers are double and from 4 to 5 inches in diameter. Color a clear, rich pink with a small, deep crimson center, an entirely new and most beautiful shade. 2½-inch pot plants, per dozen, $1.50; per 100, $10.00. March.
AGERATUM STELLA GURNEY.
The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen, $1.25; per 100, $8.00. March.
VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.

Nephrolepis Exaltata Bostoniensis...
THE CELEBRATED BOSTON FERN,
in all sizes from
$5.00 per 100, $40.00 per 1000 to
SPECIMEN PLANTS at
75c., $1.00, $2.50, $5.00 and $10.00 each.
Further information cheerfully given.
SATISFACTION GUARANTEED.
EDWIN LONSDALE, Chestnut Hill, ...PHILA., PA

THE WABASH R. R. COMPANY
The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.
The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.
Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.
For further information apply to the nearest Railroad Ticket Agent, or to
H. B. McCLELLAN, G. E. A.,
387 Broadway, New York City,
J. D. McBEATH, N. E. P. A.,
5 State Street, Boston, Mass.
C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

HARDY
Herbaceous Perennials
THE MOST COMPLETE STOCK IN AMERICA.
PÆONIES, PHLOX, IRIS, DELPHINIUMS, ETC., ETC.
JACOB W. MANNING,
The Reading Nursery, READING, MASS.
ESTABLISHED 1854.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

THE

CHICAGO MARKET.

Kennicott Bros. Co.,
42-44 Randolph St.

Stock has improved in quality and trade demands are almost up to the supply, **and on A No. 1 stock demand is fully as great as the supply.**

Carnations were never better. Violets are fine. Bulbous stock is good. Here are the prices, of course subject to change without notice:

ROSES.

	Per 100
Brides, Bridesmaid, Meteor, extra select	$7.00 to $8.00
Brides, Bridesmaid, Meteor, good medium	5.00 to 6.00
Roses, our selection, mixed varieties	4.00

CARNATIONS.

Special fancy	$5.00 to $6.00
Fancy	2.50 to 3.00
Good medium	1.50 to 2.00
Out selection	1.00 to 1.25

MISCELLANEOUS.

Romans and narcissus	$2.50 to $3.00
Valley, never better	3.00 to 5.00
Violets, the best	1.00 to 1.50
Daffodils	4.00 to 5.00
Marguerites	.60
Adiantum	1.00 to 1.25
Smilax	12.50 to 18.00
Asparagus	.40 to .75
Common Fern, 25c per 100, 2.00 per 1000	
Galax 15c " 1.50 "	

Will make Special Low Rate on WIRE WORK now.
Write for extra discount.

KENNICOTT BROS. CO.,
Wholesale Cut Flowers,
CHICAGO, ILL.

HIGH GRADE **CARNATION BLOOMS.**

Shipped Direct from Greenhouses to All Points on Short Notice,

At the Following Prices. Give Us a Trial.

G. H. CRANE, scarlet	5c. each	JUBILEE, scarlet	4c. each
WHITE CLOUD, white	5c. "	FLORA HILL, white	4c. "
MRS. GEO. M. BRADT, variegated	4c. and 5c. "	JOHN YOUNG, white	4c. "
GOLD NUGGET, yellow	5c. "	MRS. FRANCES JOOST, deep pink	3c. "
GENEVIEVE LORD, pink	5c. "	NEW YORK, pink	2c. "
MRS. JAS. DEAN, light pink	5c. "	VICTOR, pink	2c. "
CHICAGO, scarlet	5c. "	WM. SCOTT, pink	2c. "
GEN. MACEO, crimson	5c. "	DAYBREAK, light pink	2c. "
GEN. GOMEZ, "	5c. "	EVELINA, white	2c. "
ARGYLE, deep pink	4c. "	ARMAZINDY, variegated	2c. "

CHICAGO CARNATION CO., Greenhouses and Address **Joliet, Ill.**

WHEN

you want high grade cut flowers and the best value for your money remember that now that we are in our new, large, light quarters we can give you even better service than before.

All Stock at Market Rates.

WHOLESALE CUT FLOWERS.

E. C. AMLING,
32-34-36 Randolph St.,
W. S. HEFFRON, MGR. ...CHICAGO, ILL.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY			
30-36 in. stem	per doz.,	$7.00	
24 "	"	5.00	
20 "	"	3.50	
15 "	"	2.50	
12 "	"	1.50	
8 "	"	1.00	

METEOR	per 100	$5.00 to 10.00
BRIDESMAID	"	6.00 to 8.00
BRIDE	"	6.00 to 8.00
PERLE	"	4.00 to 6.00
CARNATIONS	"	2.00 to 3.00
" Fancy	"	4.00

Quotations subject to change without notice. All other stock at lowest market prices.

GOLD FISH and AQUARIA SUPPLIES

SEND FOR PRICE LIST

	Per 100
Select Gold Fish, medium to large	$10.00
Good Gold Fish, medium to large	7.50
Good Gold Fish, small to medium	5.00
Select Silver Fish, medium to large	5.00

Large variety of Fancy Fish.

CHRISTMAS WREATHING, wound on card, heavy quality, $3.00 per 100 yards. ☞ Cash with orders

Keenan's Seed Store, 6112-6114 Wentworth Ave., CHICAGO.

CRIMSON RAMBLER,

Strong plants, 3 to 4 ft. $15.00 per 100
Extra strong plants, 4 to 5 ft. 18.00 "

Acalypha Sanderi, 2½-in., $8.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

PLEASE MENTION US TO OUR ADVERTISERS.

OUR PASTIMES.

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Denver.

At the session on January 2 the Bowling Club had as guests Edw. Johnson, Wm. Donman, Edw. Grey and Burt Humiston, of Colorado Springs, on their way East:

Player	1st	2d	3d	Av.
Rob't Kurth	204	194	186	195
John Berry	122	208	222	184
Chas. Franz	200	181	155	179
Al. Mauff	194	174	133	167
Ed. Emerick	125	176	177	159
Chas. Mauff	143	169	154	152
John Ferris	134	156	151	147
Ed. Grey	164	168	99	144
Geo. Zimmer	154	123	156	144
A. A. Benson	136	147	148	144
Geo. Brenkert	131	138	122	130
Ed. Johnson	122	100	136	119
Wm. Donman	106	119	111	112
A. M. Humiston	88	85	69	81

At New York.

On Monday afternoon last, previous to the monthly Florists' Club meeting, the boys had a royal good time at the bowling alleys. The feature of the event was the strength of the weak members and the weakness of the strong, the "scrubs" administering a sound thrashing to the "experts," who have been wondering ever since what it was that struck them. Scores were as follows:

Player	1st	2d	3d	4th	5th
Hafner	187	125	137	126	103
Traendly	122	156	173	109	
Roehrs	138	114	91	139	171
Butterfield	104	125	86		
Atkins		137	144	154	149
T. Lang			128	165	163
O'Mara			118	121	
Troy			126	108	
J Lang			88	73	107
Donlan			144	172	171
Burns			158	124	137
Herrington			90	111	94
Siebrecht			139	120	151

100,000 R. C....

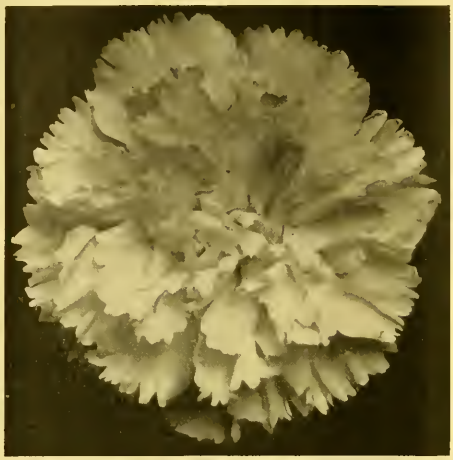
CARNATIONS, Ready.

	Per 100
Mrs. Thos. W. Lawson, pink	$14.00
Ethel Crocker, "	10.00
Olympia, variegated	10.00
The Marquis, pink	10.00
Genevieve Lord, pink	10.00
G. H. Crane, scarlet	4 50
America, scarlet	4.00
Melba, light pink	3.50
Mrs. Geo. M. Bradt, variegated	3 00
Glacier, white	4.00
Maud Adams, dark pink	3.50
Gomez, dark red	4.00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3 00
Argyle, pink	1 25
Triumph, "	1.50
Daybreak, shell pink	1.00
Empress, dark red	1.00
Flora Hill, white	1.50
White Cloud, "	2 50
Mary Wood, fine white	3.00
Jubilee, scarlet	1.50
Psyche, variegated	1.50
Morello, dark scarlet	1.50
Wm. Scott, pink	1.00
Lizzie McGowan	1.00

5 cuttings at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

Please mention the American Florist when writing.



PERU

A New Pure Glistening White

CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety). In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With **18 000 stock plants** to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES, good little plants, at 75 cts. per 100; $4.00 per 1000. Price list of standard vars. ready now.

ALBERT M. HERR, Lancaster, Pa.

WE ARE HEADQUARTERS

for all the best Novelties of the season in

Chrysanthemums, Carnations and Geraniums.

NATHAN SMITH & SON, Adrian, Mich.

Carnations. ROOTED CUTTINGS

SEND FOR PRICES.

ALL THE NEW AND STANDARD VARIETIES.

Geo. Hancock & Son. Grand Haven, Mich.

FOR SALE.

Good, healthy **MRS. FISHER CARNATIONS,** rooted cuttings for summer blooming, $1.00 per 100, $8.00 per 1000.

WM. SCOTT, $1.00 per 100.

ANDREW CHRISTENSEN, Stoneham, Mass.

Do not hide your light under a bushel. Tell the people what you have for sale.

Carnation Cuttings

GENESEE.

The Best Commercial White to Date.

$3.00 per 100; $25.00 per 1000.

JOHN VAN DER WAL,

1730 W. 107th St., Station 48, CHICAGO, ILL.

FOR SALE.

CARNATION CUTTINGS, well rooted, CLEAN STOCK of Mrs. Fischer for Summer blooming, and other vars., at $1 per 100.

J. C. MURRAY,

401 Main Street, PEORIA, ILL.

CARNATION CUTTINGS.

We are booking orders for

LAWSON, OLYMPIA, MARQUIS, ETHEL CROCKER AND GENEVIEVE LORD

at introducers' prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY, Sta. F, Cincinnati, O.

ETHEL CROCKER

is absolutely the best pink Carnation ever offered the trade. This is none too emphatic, and there are many others who think as we do. It will grow with you because it grows anywhere. This year it has been grown equally successfully by Hill, Herr and ourselves. It will grow in any soil or location. In color, size, fragrance, stem and keeping qualities it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants; never out of crop from September until July. We have 6000 plants, 3000 of which we are growing for cuttings alone.

Below are a few expressions of opinions from the knowing ones. After reading them there will be, we think, no doubt in your mind as to which is THE ONE to grow for pink next season.

WINNER OF CERTIFICATES AT NEW YORK, PHILADELPHIA, BALTIMORE, CINCINNATI and CHICAGO.

ITS KEEPING QUALITIES.

The undersigned Committe, having examined the vases of the new carnation "Ethel Crocker," report as follows:

"There are two vases which contain seventy-five flowers. The water in the vases has not been changed for four days, nor have any flowers been renewed, and after being on exhibition the above length of time, we find fully ninety per cent of the blooms salable; none of them show any disposition to go to sleep and only five or six are commencing to fade, and under these conditions we cheerfully recommend it as a wonderful keeper."

(Signed) A. B. CARTLEDGE,
SAMUEL S. PENNOCK,
EDWIN LONSDALE.
DAVID RUST, Sec'y.

BALTIMORE, MD., Dec. 27, 1899.

ROBERT CRAIG & SON,

Gentlemen: We had, however, the pleasure of seeing "Ethel "Crocker in all her glory. We wish you would book our order for 2000 rooted cuttings of this variety and would be pleased to receive the stock out of the first batch sent off. We feel sure this variety will enjoy a large sale and predict for it a most brilliant future. For size, length of stem, color and fragrance it surpasses *anything* we have *seen growing.* Yours very truly,

HALLIDAY BROS.

PHILADELPHIA, Oct. 3, 1899

ROBERT CRAIG & SON,

Gentlemen: The new pink carnation "Ethel Crocker" which you have been sending us is most satisfactory. At this early date the flowers are up to the midwinter standard of the old favorites, in fact it is larger, the form is perfect and the color, almost exactly that of the Bridesmaid rose, is ideal. The stem supports the flower admirably. We believe it will become very popular as the few we have been receiving have been snapped up at once. We congratulate you on having such a good stock of this variety.

Yours respectfully, JOS. KIFT & SON.

FRAMINGHAM, MASS., Nov. 23, 1899.

ROBERT CRAIG & SON.

Gentlemen: Kindly book my order for 500 rooted cuttings of "Ethel Crocker," as I think it one of the finest fancy carnations for commercial purposes. Very truly yours,

WM. NICHOLSON.

FLATBUSH, BROOKLYN, N. Y., Nov. 21, 1899.

MESSRS. ROBERT CRAIG & SON,
Philadelphia, Pa.

Gentlemen: After viewing your new carnation "Ethel Crocker" we feel justified in ordering 2500. The color seems excellent and promises to be a free bloomer; the variety has apparently an exceptionally good constitution and stem, and the calyx is all that could be desired up to this date. The dozen plants we have growing are all that could be expected, having received them too late for comparison with other varieties, which we regret.

Yours very truly.

DAILLEDOUZE BROS.

PHILADELPHIA, Oct. 18, 1899.

ROBERT CRAIG & SON,

Gentlemen: Your new carnation "Ethel Crocker" is without doubt by far the finest pink carnation for Fall use we have handled yet, in fact, the finest we have seen on the market anywhere.

Very truly yours.

PENNOCK BROS.

HAGERSTOWN, MD., Nov. 25, 1899.

ROBERT CRAIG & SON,

Gentlemen: In my judgment "Ethel Crocker" is a star of the first magnitude, possessed of every good quality and sure to win admiration of every one.

Very truly yours.

HENRY HOLZAPPEL, JR.

Extract From American Florist, Philada. Notes, Oct 14, 1899.

I neglected, in my report of the Florists' Club meeting, to speak of a vase of "Ethel Crocker" carnation exhibited by Robert Craig & Son. It attracted a great deal of attention and all the carnation experts present seemed to be of one mind in declaring it to be the finest pink they had ever seen. It was quite the equal of any of the present favorites in their best midwinter stage, which, when one considers the early date, Oct. 3, speaks volumes in its favor.

From Florists' Exchange, Philada. Notes, Oct 7, 1899.

Robert Craig & Son exhibited a vase of the new California carnation "Ethel Crocker," which created quite a sensation. The flowers are 2½ to 3 inches in diameter, stems stiff: in fact the flowers are remarkable for so early in the season. The above firm has a house of this variety for flowering this season and it certainly should take well.

From American Florist, New York Notes, Oct. 14, 1899.

On the exhibition table Mr. Craig had a vase of the beautiful new pink carnation, "Ethel Crocker" which was highly commended by the exhibition committee and duly admired by all, the carnation giving every promise of being a winner.

From Florists' Exchange, New York Notes, Oct. 14, 1899.

The following exhibit was made by Robert Craig & Son, to whom a vote of thanks was tendered:

Vase of the new California carnation "Ethel Crocker." The color of the flowers showed up very prettily under artificial light, being a deep, salmon pink. The stems were of good length and held the blooms up well. The exhibition committee awarded the variety honorable mention, and expressed a desire to see it again later in the season.

Write to us about **Crocker, Olympia, The Lawson, The Marquis, Genevieve Lord** or any of the standard sorts you may want, of which we have a goodly number, including **Crane, America, Maceo, Gomez, Melba, White Cloud, Bradt, Etc.**

ROOTED CUTTINGS OF ALL VARIETIES READY FROM NOW ON.

LIBERTY ROSE. We still have a few thousand grafted plants of this grand novelty unsold which we can book orders for March delivery.

OUR TRADE LIST of Carnations, Palms and general stock will be ready in a few days. Send a postal and it will be mailed you.

ROBERT CRAIG & SON, Market and 49th Sts., PHILADELPHIA, PA.

Buffalo.

BREATHING SPELL FOLLOWS THE HOLIDAYS.—STOCK IS ALL RIGHT.—KASTING PREPARING ENTERTAINMENT.

Trade has been rather quiet the past week, as it always is for a little while after the holidays. Stock is in good shape now and plentiful enough, although narcissi and hyacinths are the only over supply. Good Beauties can now be obtained at 60 cents each, wholesale. Roses are all right, but carnations are not quite up to grade. Primroses and tulips are selling well in pots and pans.

Vice-president W. F. Kasting is hard at work upon the arrangements for the February meeting of the American Carnation Society and his committees are keeping pace with him. There can be no doubt of the completeness of the local arrangements for the big event.

The matrimonial fever seems to be contagious, no less than six of those in the trade here having wedded within four months. The latest is Jacob Boehler, better known as "Palmer's Jakey."

Recent visitors: J. V. Merrion, Chicago; E. A. Butler, Niagara Falls; S. B. Smiley, Lancaster; Jerry Brookins, Orchard Park.

W. A.

CEDAR FALLS, IA.—Bancroft & Son have enjoyed a large trade this season and report bright prospects for spring.

GENEVIEVE LORD, ETHEL CROCKER, OLYMPIA, THE MARQUIS,

$10 per 100, $75 per 1000.

MRS. THOS. LAWSON $14.00 per 100

	Per 100	Per 1000
AMERICA	$5.00	$40.00
G. H. CRANE	6 00	50.00
JUBILEE	2.00	15.00
WHITE CLOUD	3.50	30.00
FLORA HILL	1.50	10.00
JOHN YOUNG	2.00	15.00
ARGYLE	2.00	15.00
MRS. JOOST	2.50	20.00
DAYBREAK	1.50	15.00
VICTOR	1.50	12.50
SCOTT		10.00
BRADT	5 00	40.00
ARMAZINDY	1.50	10.00

Grafted Roses, $10 per 100. 90 per 1000.

THE EARLIEST

Yellow Chrysanthemum

YELLOW FITZWYGRAM,

$7.00 per 100. $60.00 per 1000.

H. F. LITTLEFIELD,

WORCESTER. MASS.

CHICAGO CARNATION CO.,

The Great and Only Carnation Specialists

CUTTINGS NOW READY.

	Per doz.	Per 100	Per 1000
Genevieve Lord, the peer of any light pink carnation ever offered	$2.00	$10.00	$75.00
Chicago, scarlet Bradt	1.50	10.00	75 00
Mrs. Lawson, cerise pink	3.00	14.00	120.00
Olympia, variegated	2.00	12.00	100.00
Ethel Crocker, pink	2.50	10.00	75.00

	Per 100	Per 1000
Frances Joost, pink	$2.50	$20.00
Mrs. Jas. Dean, pink	2.50	20.00
John Young, white	4 00	30.00
White Cloud, white	4 00	30.00
Mrs. Bradt, variegated	5.00	40.00
Gen. Maceo, crimson	6.00	50.00
Gen. Gomez, crimson	6 00	50.00
G. H. Crane, scarlet	6 00	50.00
Gold Nugget, yellow	$2.50	$20.00

	Per 100	Per 1000
Argyle, carmine	2.50	20.00
Jubilee, scarlet	2 00	15.00
Armazindy, variegated	2.00	15.00
Evelina, white	2.00	15.00
New York, deep pink	2.00	15.00
Wm. Scott, pink	2.00	15.00
Victor, pink	2.00	15.00
Daybreak, light pink	2.00	15 00
Flora Hill, white	2.00	15.00

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
MRS. BRADT	3.00	
WHITE CLOUD	2.50	$20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1 25	10.00

	Per 100	Per 1000
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1 00	7.50
EVELINA	1 00	7.50
MAYOR PINGREE	1.00	7.50
PAINTED LADY	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000
KAISERIN	$2.00	$17.50
LA FRANCE	2.00	17.50
PERLE	1.50	12.50

	Per 100	Per 1000
METEOR	$1.50	$12 50
BRIDE	1.50	12.50
BRIDESMAID	1.50	12.50

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

CARNATION CUTTINGS.

All leading varieties, now ready.
Send for list.

HOLTON & HUNKEL CO., Wholesale Florists, **Milwaukee, Wis.**

CARNATION CUTTINGS.

ready to ship now. Guaranteed well rooted or money refunded.

"OLD CHESTNUT."

but we say expressman must allow purchaser to examine cuttings before accepting and if not satisfactory must take the same back.

White Cloud, $2.50 per 100 or $20 per 1000; Mrs. Joost, $2.50 per 100 or $20 per 1000; Melba, $4 per 100 or $30 per 1000; Mrs. Bradt, $3 per 100 or $25 per 1000; Victor, $2.50 per 100 or $20 per 1000; Mayor Pingree, $1 per 100 or $7.50 per 1000; Daybreak, $1.25 per 100 or $10 per 1000; Scott, $7 per 1000. *Cash with order.*

CARL E. TAUBE,

Mercer Floral Co. TRENTON, N. J.

Please mention the American Florist.

New and Standard Varieties of

CARNATIONS.

F. DORNER & SONS CO., LaFayette, Ind.

Please mention the American Florist when writing.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

GENEVIEVE LORD.

THE peer of any light pink Carnation ever offered to the trade. A commercial triumph. Its beautiful color, large size and its matchless length and stiffness of stem make it, beyond a doubt, the queen of its class. There is nothing like it. We offer it to the commercial grower as a money getter of the first magnitude.

As an exhibition flower, it ranks high. It will take care of itself in its class. It has carried off the highest honors wherever shown. The blooms are now being sold in the most critical market and bringing highest prices. It will not be over-propagated. Our book will close as soon as the limit is reached. Order early and be sure.

$75.00 per 1000, $10.00 per 100, $2.00 per doz. Delivery Feb. 15th.

Send for complete description of above. Also MRS. THOS. W. LAWSON, OLYMPIA, THE MARQUIS and ETHEL CROCKER, at introducers' prices.

H. Weber & Sons, OAKLAND, MD.

ROOTED CUTTINGS, CARNATIONS.

All the new and standard varieties. We also have several thousand mixed varieties, well rooted, which we will sell cheap. Write us for prices.

LAKEVIEW ROSE GARDENS, Wholesale Cut Flowers, JAMESTOWN, N. Y.

Please mention the American Florist when writing.

LIBERTY. LIBERTY. LIBERTY.

AM all sold out of grafted stock: only a few own rooted plants left to sell for April and later delivery. Order quickly if you want any for this season's planting.

All orders filled strictly in rotation. Deposit or reference from all unknown correspondents.

PRICES FOR PLANTS OUT OF 2½-IN. POTS:

12 plants		$0.60 each
25	"	.50 "
50	"	.30 "
100	"	.25 "
1000	"	.20 "

ERNST G. ASMUS, West Hoboken, N. J.

AGENTS— VAUGHAN'S SEED STORE, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO., Tarrytown, N. Y.

Please mention the American Florist when writing.

Manetti

Only sound and good stock will be sent out.

For Grafting Tea Roses.

Be quick before being sold out.

$12 PER 1000.

ENGLISH IVY. Young plants 2-3 ft., 1 to 3 shoots. Just the thing for spring planting.

$4 per 100, $35 per 1000.

Bobbink & Atkins,

....RUTHERFORD, N. J.

NURSERY AND STORAGE CELLAR AT Carlton Hill, N. J.

Dormant Roses

For Potting Up Now, For Easter Flowering.

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes	Doz., $ 3.00	
3 year old Own roots stock, 4 ft. canes	100, 20.00	
2 year old Budded stock, 3 ft. canes	Doz., $2.00	100, $15.00
American Beauty 2 year budded	100, $15.00	
Kaiserin A. Victoria, 2 year budded	" 15.00	
Mad. Caroline Testout, 2 year budded	" 15.00	
Hermosa, extra strong Holland grown 2 year Own roots	100, $13.00	
Hermosa, Own roots French grown	" 8.00	
Clothilde Soupert, 2 year field grown	" 10.00	

ALL ON OWN ROOTS, AT $13.00 PER 100:

Gen. Jack. John Hopper. Baron Bonstettin. Paul Neyron.
Coquette des Alps. Mad. G. Luizet. Anna de Diesbach. Magna Charta.
Ulrich Brunner. Prince C. de Rohan.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild. Mad. G. Luizet. Malmaison. La France.
Gloire Lyonnaise. Mrs. John Laing. Fisher Holmes. Coquette des Alps.
Marie Baumann. Prince C. de Rohan. John Hopper. Giant of Battles.
Paul Neyron. Capt. Christy. Mad. Chas. Wood. Gen. Washington.
Boule de Neige. Anna de Diesbach. Perle des Blanches. Mabel Morrison.
Baron Bonstettin. Magna Charta. Gen. Jack. Marshall P. Wilder.
Ulrich Brunner.

RHODODENDRONS. For Easter forcing. Extra large plants 12 to 20 buds, John Walters, Kate Walters, Mad. Cravalho and Prince C. de Rohan. Each, $1.25. doz., $12.00.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list will be ready Jan 1, 1900.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

REX BEGONIAS.

8000 fine plants out of cutting bench.... 2c
500 2 and 2½-in. strong plants, fine.....5c.
500 2½-in., strong plants, leaves damaged.2c.

JOHN C. ENGELHORN, Galion, O.
Successor to Fisher & Son.
CASH WITH ORDER, PLEASE.

$5 cash will buy 1500 2-in. standard.... never unpacked. Address **IONIA POTS,**

O. L. Baird, Dixon, Ill.

The Rose for Money, AMERICAN BEAUTY.

Rooted cuttings now ready.
Per 100, $4.00; Per 1000, $35.00. Cash with order. 500 at 1000 rate.

Rosemere Conservatories,
Center St., DORCHESTER, MASS.
LAWRENCE COTTER, Mgr.

Please mention the American Florist when writing.

GIVE US LIBERTY!

will be the cry when the plants are all sold. Order at once.

Robert Scott & Son,
SHARON HILL, Del. Co., PA.

Please mention the American Florist when writing.

FIRST LOT OF 2-INCH ROSES Ready Jan. 15th.

ROOTED CUTTINGS now ready. Write for prices. Also ask for prices of

CUT ROSES, CARNATIONS and Bulb Stock.

GEO. A. KUHL, Pekin, Ill.

Bangor, Me.

A GOOD SEASON AND BRIGHT PROSPECTS.—BEERS DOES DOUBLE BUSINESS.—A UNIQUE FUNERAL DESIGN.—NOTES OF OTHER DEALERS.

In my rounds about town and chats with the florists, I find them all of the opinion that the spring outlook was never better. Carl Beers, who has 32,000 feet of glass, says his stock and spring supply will be the largest and best on record and at his winter garden in the heart of the city, a novelty of the past year, and one appreciated by the people, everything looks flourishing. Mr. Beers says his business has practically doubled within the past year. He recently constructed a floral design worthy of mention for its novelty and difficulty of execution. The friends of the late Sumner L. Crosby, the leading taxidermist of eastern Maine, conceived the idea of reproducing in flowers one of his best works as a set piece for his obsequies. The original from which the piece was reproduced, was two large ptarmigan, stuffed and occupying a large, convex glass case within a gilt frame 3½x4½ feet. This work was entrusted to Mr. Beers and was executed in a highly creditable manner.

Buckley & Preble, agents for F. H. Moses, report last year's business very good and the outlook for spring excellent.

Adam Sekenger's stock is all looking finely; orders are generally good and the outlook is promising.

Mrs. Allen, A. F. Noyes and others report business good and signs of a good spring. V. V.

BIG RAPIDS, MICH.—H. M. Larsen, two years in the employ of Mrs. Blair, has rented that lady's establishment.

Nephrolepis... Washingtoniensis.

This most valuable new Fern is much admired by all who see it. It is a grand, hardy and majestic pot plant, any size. (see large advertisement in previous issues for description). I have the finest stock of **well established** plants.

3 good plants, mailed for $1.00
12 strong plants, 3-in. pots, for 5.00
12 strong plants, 4-in. pots, 2 to 3 feet 9.00
12 strong plants, 5-in. pots .. 18.00
Price for 100 or more on application.

John H. Ley,
Good Hope, WASHINGTON, D. C.

Orchids. Orchids.
F. SANDER & CO.
Have the finest and largest stock in the world.
St. Albans, England, & Bruges, Belgium.
Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

CINERARIAS!
from Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants—2½ in., $2 00 per 100; $5.00 per 300; 3-in., $3 00 per 100; large plants, 4-in., $1 00 per doz.
SHELLROAD GREENHOUSE CO.,
....Crenge P. O., Baltimore, Md.

Named varieties of **GERANIUMS.**
4000 S. A. Nutt, 1000 La Favorite, } per 100.
1000 J. Y. Murkland, } $2.00

VINCA VINES.
A few 4-inch pot plants..... $6.00
" 3-inch " 4.00
8000 rooted cuttings..... 1.50
All Geraniums and rooted cuttings have been planted in flats for 2 months past. Cash with order.
WM. A. CLARK & SON, 59 State St., Watertown, N. Y.



3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."
IN 3 COLORS, PINK, WHITE, BLUE.
The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other. **Large clumps, ready to divide,** $5 per 100 or 25 for $1.50 by express. Smaller ones by mail prepaid, same price. **A few hundred EXTRA LARGE CLUMPS,** $10 per 100, $1.50 for 12.

ASPARAGUS SPRENGERI 2½-inch, fine, $4.00 per 100; 3½-inch $7.00 per 100.
A BARGAIN. Fine 6-inch pots, will give lots of green, 25 for $5.00; 12 for $2.50.
ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

THE LACE FERN, POLYSTICHUM PROLIFERUM.
Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.
THE ORANGE VIOLET. (Browallia Jamesoni). Fine plants 3½-inch pots $1.25 per 12, express.

THE GENUINE EDELWEISS OR SNOW FLOWER.
There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. **10 for $1, 25 for $2, mailed free.** Send for sample flower.
A. BLANC, PHILADELPHIA, PA.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.
Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000.
NO RUST OR MILDEW.
PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.
We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.
J. L. DILLON, Bloomsburg, Pa.

TO CLOSE OUT for want of room, the following plants, ready for a shift.

		Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.	$8.00	
1000	" "	2-in.	5.00	45.00
5000	Pteris Tremula	"	2.50	20.00
2000	" Ensifolia	"	2 50	20.00
2000	" Serrulata Max.	"	"	"
3000	" Longifolia	"	"	"
2000	" Serrulata	"	"	"
2000	" " Compacta Nana"		3.00	25.00
1000	" Onardii	"	2.50	20.00
1500	Nephrolepis Bostoniensis.	2½-in.	5.00	40.00
2000	" Cordata Compacta	"	4.00	35.00
2000	" Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.
CASH WITH ORDER.
THE E. HIPPARD CO., Youngstown, O.

FINE STOCK. **PANSIES.** AT LOW PRICES.
....THE JENNINGS STRAIN....
200,000 fine, stocky plants in cold frames. Large-flowering; superb colors; many are curled and fringed. 100 plants by mail, 60c.; 1000 by express, $3.50. Large plants in bud, 50c. per 100, ex. Seed of above, $1 per pkt., $5 per oz. 100 fine Pansy blooms by mail, 50c. Seed and plants can also be had in separate colors, same price.
100 choice mixed Gladioli, 50c. 100 extra large scarlet Amaryllis bulbs, $6. Medium size, $3 per 100. Samples sent for 10 cts. CASH WITH ORDER.
E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.

BOSTON FERN. 5-in., $40.00 per 100. 8 " 12.00 per doz.
Nephrolepis Cordata Compacta. 2½-in., $4.00 per 100, 8-in., fine, $12 per doz.; 10-in., fine, $15 a doz.
Asparagus Sprengerii, 2½-in., $5.00 per 100.
" " 3 " 8.00 "
Ferns for dishes, $3.50 per 100.
Carnations, new or standard. Send for prices.
CASH PLEASE. **CARL HAGENSBURGER, W. Mentor, O.**

PANSIES
FINE PLANTS. Large Flowing Strain, 50c. per 100, $2.50 per 1000.
PANSY SEED. Non plus ultra, $4 00 per ounce.
CASH PLEASE.
JOS. H. CUNNINGHAM, Delaware, Ohio.

THE BOSTON FERN A SPECIALTY.
Only orders booked at..... $5.00 per 100, $40.00 per 1000.
L. H. FOSTER, 45 King St., DORCHESTER, MASS.

GERANIUMS Richard Brett, Beaute Poitevine, Mrs E. G. Hill, Wonder, Brusantil, Marguerite de Layers, $20 per 1000; 2¼ in. pots of the same, $30 per 1000. $3 25 per 100. S A. Nutt, La Favorite, Jas. Garr, Double Grant and several other good bedders, $15 per 1000; 2¼-in. pots, $2 per 1000, $2 50 per 100.
Rose Geraniums, $2.00 per 100.
Mme. Salleroi Geraniums in soil, $1.50 per 100; $12 00 per M
Skeleton Rose, $2 00 per 100.
COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots, $1.25 100.
AGERATUM, Blue and White, 75c per 100.
Princess Pauline, $1 00 per 100.
GIANT ALYSSUM, $1.60 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100.
HELIOTROPE, 6 varieties, named, $1.00 per 100.
CUPHEA (Cigar Plant), $1 00 per 100.
FUCHSIAS, $1.50 per 100; 2½-in. pots, $3.00 per 100.
FEVERFEW, $1.50 per 100; $12.00 per M.
VINCAS, $1 25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M. Fine plants.
The above are rooted cuttings, except when noted.
CASH MUST ACCOMPANY ALL ORDERS.
J. E. FELTHOUSEN, Schenectady, N. Y.

1900. HAPPY NEW CENTURY. 1900.
"Green Goods."
"Write, Telegraph or Telephone."
Galax Leaves—Brilliant Bronze $1 per 1000
" " Brilliant Green $1 per 1000
Leucothoe Sprays..... $1 per 100
Wild Smilax " hand picked" brand..... 50 lb. case, $6.50
Wild Smilax, "hand-picked" brand..... 35 lb. case, $4.50
Palm Leaves, "fresh green", $2.50 per 100
Needle Pines..... $1.50 to $2.50 per 12
Fancy Ferns, Dagger Ferns, Etc., Etc.
HARRY A. BUNYARD,
42 W. 28th St., NEW YORK CITY.
Telephone 2665 Madison Square.

CABBAGE PLANTS.
Jersey Wakefield and other vars. from cold frames, transplanted, 25c per 100; $1.50 per 1000; $12.50 per 10,000. If by mail add 30c per 100.
LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.
Other vegetable plants in season. *Cash with order.*
R. VINCENT, Jr., & SON, White Marsh, Md.

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we have just received a large consignment of

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ROSES. Rooted Cuttings. Strictly first-class stock and lowest prices. Be sure to secure list before ordering.

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NEW GIANT CALIFORNIA WHITE MARGUERITE and New Golden; they sell on sight, extra strong 2¼-in, $2.50 per 100; extra strong rooted cuttings $1.00 per 100.

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SPRENGERII } $6 per 100.
PLUMOSUS NANUS } FINE STOCK

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3-inch, $ 8.00 per 100. 5-inch, $4.50 per dozen.
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CARNATIONS. Rooted cuttings.

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Mayor Pingree, Flora Hill, Daybreak, Mrs. C. H. Duhme, **$2.00 per 100.**

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Alyssum, 3 varieties, $3.00 per 100.
Ageratum, Cope's Pet, $3.00 per 100.
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Alternanthera, 2 vars., $2.50 per 100; $20 per 1000.
Cineraria. $3.00 per 100. 3-inch, $5.00 per 100.
Cuphea, $3.00 per 100.
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Dracæna indivisa, 3-inch, $2.00 per dozen.
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Souv. de Chas. Turner, $3.00 per 100.
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Nierembergia. $3.00 per 100.
Ohonna, $3.00 per 100.
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		Pots	Per doz.	Per 100
Kentia Belmoreana		3-in.	$3.00	$23.00
" "		4-in.	5.00	40.00
	Size	Char. Pots.	Leaves.	High.
" "	5,	5-7	18-24,	$9-$12 $70-$90
" "	6,	7-8	20-25,	18 144
" "	7,	7-8	36-40.	30-36 240-290
Kentia Forsleriana, 3-in. $2.50 per doz.; $20 per 100				
" "	"	4-in. $5.00	"	$35 "
" "	5,	5-6	24-30,	$9-$12 $75-$95
" "	6,	7-8	25-30,	18 144
" "	7,	7-8	35-42,	28-30 225
" "	8-9	7-8	$3.00 to $4.00 each.	
Latania Borbonica, 2-in.			.50	3.00
" "	3-in.		1.25	16.00
" "	4-in.		3.00	23.00
" "	5,	5-8	15-20,	5.00 40.00
" "	6,	6-8	16-24,	8.50 65.00
" "	7,	6-8	18-24,	12.00 90.00
" "	8,	7-8	28-34,	22.00 175.00
" "	9,	7-9	28-36,	34 00 272.00

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3 in., "	4 70	6 in., "	16 50

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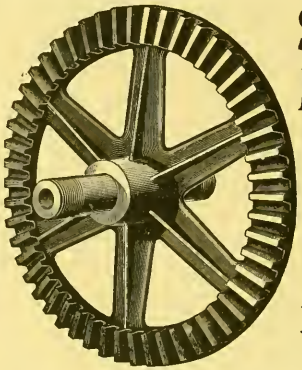
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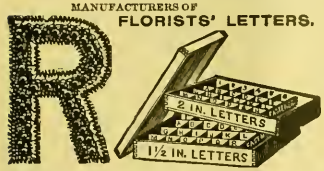
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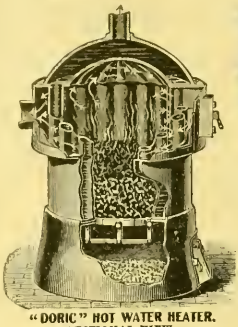
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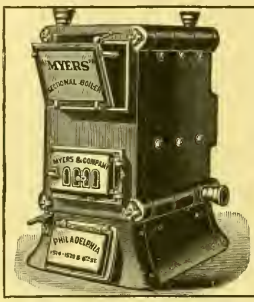
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AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Eden Musee, 23d St., New York, March 27-29, 1900. Paul M. Pierson, Scarborough, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Buffalo, February 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Latest Facts About New Carnations.

[Read before the Florists' Club of Philadelphia, January 2, 1900, by Albert M. Herr, of Lancaster, Pa.]

The term "new carnations," is one of considerable latitude but I will start with the introductions of last season and those on my own place.

G. H. Crane seems to stand out as the most prominent of last season's new ones, and perhaps deservedly so. It is a good scarlet, apparently, from the first to the last flower produced, and in this respect it supersedes that grand variety, Jubilee, which is the scarlet for the months of December, January, February and March, but not of much value for any other portion of the season. From all that I have seen of Crane, up to date, it does not look as if it would produce any more blooms to the plant, than well grown Jubilee! It is not to be classed as a cheap scarlet, although I have yet to see the first flower of this variety that was not salable, and this is another point it possesses that few scarlets can lay claim to. Quite a lot of stem rot seems to have developed among it for a first season carnation, and if this proves to be characteristic of the variety it is doomed. It is to be hoped that selection and care will rid it of this trouble.

America lacks some of the good qualities of G. H. Crane, as a scarlet, although with me, and at the few places where I have seen it growing, it promises to outbloom Crane by a good big percentage. As an offset to this, however, is the fact that it is not quite so uniform in quality, and a portion of the flowers can not be classed as firsts, and early in the season a considerable portion of the cut comes under this class. With me it is rather a brighter scarlet than Crane but is not so full a flower. In growth it is somewhat stronger, and taken all in all, it looks to me as if it might prove a rattling good thing in places where it can be well grown.

Maceo, a rich dark maroon, very pretty in good light, but said by most growers to be too dark, is proving a good producer, and a nice, healthy grower, so it is to be hoped that it is not too dark in color. Gomez, its companion, is a lighter shade, and seems to hit the popular fancy better than the dark one. It also has freedom of bloom, length of stem and good growth in its favor, but has been a disappointment in the size of its blooms; it has, however, been improving slightly the past few weeks and even with the medium sized flowers produced early in the season, it is worth a place on account of its color and other good points.

Melba has also been a disappointment on account of its size, but it is better to-day than many varieties considered a fair size.

Gov. Griggs, the rival of Daybreak, falls a little short on some points but looks to me as if it might be with many growers a good one to have in stock, as there are some buyers who cling to this shade of pink and have little or no use for any other.

Glacier, the new white, has not been as extensively tried as it really deserved to be, although it falls short of the ideal white by a number of points. This ideal white may be in the houses of one of the hybridizers to-day, and it is to be sincerely hoped that it is, for a good commercial white is badly needed. Since making this statement a few months back, I have received some plants of an ideal white, in the grower's estimation, but they are up to date badly lacking in the points I am looking for. I also have received a number of sample blooms, but to a grower the flower is only an introduction to the variety and about as much use in judging the merits of a variety commercially as the reading an introduction to a book is towards forming an idea as to its literary merits. I would rather have 1000 plants of a white carnation that could fill the want in this color to-day, than the best $5000-bond ever put on the market. Before putting it on the market I would want to be sure it did fill the bill, for the great majority of growers are getting tired, and justly so, of filling their houses with varieties that do not pay them. The lack of this important feature was never more forcibly impressed upon me than in a recent conversation with a grower who grows good carnations, and is apparently as successful as the majority of growers. He claimed that they figured on an actual loss in their carnation house every season by carefully kept accounts, and only grew them to supply their customers, "who buy roses and other cut stock," with a complete assortment of flowers. There is some food for reflection in this.

Iris Miller, an offense of my own, is not doing so well with me as it did last season, and while it is a magnificent large flower, it is too grassy in growth, and lacks blooming qualities.

Elsie Ferguson, a burnt orange in color, has all the commercial points necessary to make it a paying variety, but the storemen declare it is to be no good as a seller. Some day the buyers will get tired of the old round, red, white and pink, and then a really beautiful odd

color, such as this is, will command a good figure.

Leslie Paul is almost an ideal flower, form, substance, calyx and stem being just about perfect, and the color is the brightest I have ever seen in the Tidal Wave shade, red or dark pink. It is, however, late in coming into bloom and requires special culture to bring a crop in for the holidays, a fact that may prevent its becoming popular. Growers who can procure fancy prices for fancy stock will do well to take it up, and my own experience leads me to consider it a good sort for almost all growers.

Evanston, Uncle Waller and several other scarlet sports from Tidal Wave are scarlet Waves and nothing more; in fact their being scarlet Waves is sufficient recommendation for them, as Tidal Wave was in its time a rattling good sort, and to many growers is just as good to-day.

There are some other sorts of last season that should be reviewed in this paper, but not having seen them or tried them, I am not in a position to form an opinion.

Among the real new sorts I am also at some disadvantage, although I have seen No. 666 and wished I were the owner of the stock, not alone on account of its size and form, nor the price it brings as a cut flower, the latter being a novelty price that will drop down to normal figures as soon as there are more plants to cut from, but on account of its apparent good habits as a grower and the fact that it seems as good a bloomer as many varieties of one-third its size. In color, according to my ideas, it is not any better nor even as good as some of Sievers' that the New York men told me were absolutely no good at all, but as these same men are paying $4 per dozen and over for this variety, my ideas of color are evidently countrified and of no account. The owners of No. 666 know a good thing when they see it and will no doubt hold on to it a few years before letting it get out among the growers. They may well hold on to it, as it seems almost beyond the limits of the carnation to get one out that will overtop it in size and form.

Governor Roosevelt, the new crimson or maroon, is in about the same position in its class, and is so good that it can easily be held back a few years without fear of a better one coming out to take its place. It is to be hoped that the owners of both these sorts will keep them healthy and in good shape, so that when we ordinary mortals get them we can also have some of the benefits to be derived from their superior qualities.

Being in the pink race myself and not having seen any of my three rivals growing, my ideas on this color would naturally be prejudiced. I will say, however, that I believe Ethel Crocker to be more than is claimed for it and that it stands a good chance of being a second Scott, with its merits not fully recognized until next winter.

New carnations are getting to be a serious question with growers and it is to be hoped that the American Carnation Society will take some action relative to bringing out their good points and incidentally their bad ones. In a paper read by Fred. Dorner at the Chicago meeting of this society, a series of exhibits was recommended, that it would be well for originators to carry out. The main points of the paper were, to have an exhibit of the cut blooms of a variety being introduced once a month at some point in the United States, have these flowers judged according to a scale of points adopted by the society, and these reports all filed with the society in February and consolidated with the report on the variety in question at that meeting. This would give buyers an idea as to the merits of the flowers in the earlier part of the season and while, as said before, flowers alone are a poor thing to judge a variety from, they are an introduction. No honorable power will refuse to truthfully answer any question asked, as to the growing and blooming qualities of the variety, and the two would save many a dollar being invested in good spring varieties.

Sometimes it seems a pity that the trade papers and the writers of essays of the sort I am now reading are not more outspoken, as to the faults of some of the newer carnations, and yet when we see the occasional gross injustice done a variety, by some one who has made a failure of it, we are glad that condemnation is withheld in most cases.



WM. MURPHY.
President of the Cincinnati Florists' Society.

Wm. Murphy.

The recently elected president of the Cincinnati Florists' Society, whose portrait appears herewith, was born July 4, 1857, in the state of Illinois. His parents moved to Delhi, O., in 1866, where his father located as a market gardener. The lad's love for flowers led him to devote a portion of his time to their cultivation and, through the increasing demand for plants and flowers he gradually drifted into the florist business. His first greenhouses were built in 1883 and were devoted to miscellaneous stock for market. In 1886 Mr. Murphy started to make carnations a specialty and a few more houses were added, and to-day his plant comprises twenty acres of fertile land 30,000 feet of glass and all this is devoted to the culture of carnations. Last fall Mr. Murphy housed 40,000 plants and at present 200,000 rooted cuttings are on the benches. Mr. Murphy is a member of the S. A. F. and has been an active member of the Cincinnati Florists' Society, in which he held several positions of trust before being chosen its president. "Will," as he is familiarly called, is well liked by all who know him and is an all-around good fellow.

H. SCHWARZ.

ROSES.

WHAT IS THE TROUBLE?

ED. AM FLORIST:—Under a separate cover I send you a package containing two plants of tea roses taken from my benches. Please tell me what is the trouble, prescribing a remedy if possible. There seems to be quite a number of the plants affected. I have taken a good many of the plants from the benches and burned them. I have never fed the plants with any kind of liquid manure and up to a short time ago they looked fine and produced good blooms. I fear I will lose them all from the way they look now.

W. J. M.

One can easily determine that "W. J. M." has a bad lot of eel worm at the roots of his roses; the samples sent were very bad and if all the plants in his houses are affected as badly as these, his chances of getting many good flowers from them are very poor. By leaving the soil to get just a little on the dry side and then giving the whole a good soaking with lime water, made from fresh lime, and repeating the application every fifteen or twenty days for the next three months, may help them considerably, but the plants must never be allowed to suffer for want of water, as in that case the nemetodes effect the roots worse than ever. When clearing these roses out of the house eventually I should advise him to make a big fire and burn the plants, soil and all, then thoroughly clean the benches, giving a thorough washing of hot lime, and try entirely new soil for next season.

If "W. J. M." will take up one of his plants now affected and wash the soil out of the roots, he will find any number of little gall-like lumps on the roots, many of them not larger than a good-sized pin head. Each of these contain numbers of eel worms; how many it is exceedingly hard to determine. I found ten in one of them under the microscope, so that it may safely be said there are hundreds of them at each plant (thousands would probably be nearer the mark) all living upon the vitality of the plants, and as far as I can learn from all sources there is nothing yet found that will destroy them. All one can do is to treat the plants liberally to that which will assist them in resisting the inroads of these pests when once they are affected.

JOHN N. MAY.

WHY ARE BEAUTIES SCARCE?

Although I have no statistics to bear me out, I think it is generally understood that there were more American Beauty plants started last summer than usual and that it was fair to expect as many or more flowers this winter. The result has been a disappointment quite general so far as I am aware. The Beauty has always been an uncertain cropper; no one feels sure of what the result will be for any season's planting, but heretofore Jones has been successful when Smith made a failure. This season appears to have put them all in the same boat. If these premises are correct, and I think they are, the cause of this condition naturally suggests itself for determination.

After preparing the benches with the proper soil there are three details which require the grower's skill and watchfulness in order that his Beauties attain perfection. These are light, moisture and temperature. Two of these are within the control of the grower, temperature and moisture. Light is beyond him, but fortunately this is so gradual in its

changes from strong to weak and back again that we should be able to adjust the other two accordingly.

Moisture should conform to temperature. Temperature should conform to light. Light we must take as nature gives it to us and we must supply heat and moisture as nature demands. It follows, therefore, that the rules of action cannot be the same through an entire season. The growth of roses is truly a chemical process, for which the grower must furnish the requisite environments for nature's best work.

Light, then, is our chief factor, a fact which is partially recognized in most cultural directions as to temperature. But one temperature will not answer for all conditions of weather. The heat should decrease for darker or shorter days because forced growth on a deficiency of material means slender building and the moisture, in excess of requirements, contributes to the support of vegetation which is detrimental to the rose, black spot for example. Therefore you are more likely to injure your plants by too much than too little heat from October to January.

It appears to be quite evident that here is where the mistake so generally made this season may be found. Most winters when the weather has been blustering, at times severe, there has been a greater variation in the temperature maintained by the numerous growers; this season has been so mild and gentle that every one maintained the maximum temperature.

Temperature alone, however, does not account for all the trouble. Reverting again to the light, which is the all important element in our calculations, we must not place more plants on a bench than can be afforded light. If you will examine a perfect specimen of American Beauty rose, you will notice that the amount of foliage on each flower cane is much larger than on any other of the popular varieties; the stem is stiff and thick. The amount of light required by such a stem is at least as much as is needed for four canes of the Bridesmaid. Following this estimate to its conclusion, you will require four feet square for each American Beauty plant which you intend to grow to perfection. In place of this we find house after house of this rose grown like smilax, canes so slender that they must be held up with a string, and the only foliage in anything like normal condition along the south edges of the benches where the pathways afford some light.

Our growers understand these points in a general way, but they have not appreciated their vital importance. If they will give their Beauties more bench room, maintain a lower temperature until the days begin to lengthen, and administer air and moisture with greater care, I am sure they will have more satisfactory results. C. B. W.

Begonia Silver Bronze.

This plant of neat habit is a cross between B. decora and B. Silver Grey, with beautiful undulated foliage, the color being a most charming combination of minute specks of strawberry red, pea green and silver rose so minutely scattered as to give the appearance from a distance of one color. Short scarlet hairs further ornament the leaves. The under surfaces of the leaves and petioles are a rich terra cotta red. Introduced by Sander.



BEGONIA SILVER BRONZE.

CARNATIONS.

CARNATIONS REGISTERED.

By H. B. McKnight, Jersey City, N. J. —Sir Thos. Lipton, color same as Scott, flowers measuring from three and one-half to three and three-quarters inches across, and with a calyx that does not burst in any temperature; stems eighteen to twenty inches long. A cross between Scott and Tidal Wave resembling the latter in growth but taller.

By M. E. Kraus, New Haven Conn. —Elm City, color, white; flowers are large, finely shaped and with strong fragrance; petals heavy, of good substance and nicely fringed; calyx strong and never bursts; stem strong, holding the flowers erect. Plant is a good grower, not making unnecessary grass, and it is now in its fifth year.

ALBERT M. HERR. Sec'y.

IMPROVEMENT BY SELECTION.

To some growers the process of improving a variety by selection may not appeal so strongly as does the quicker but more uncertain one of hybridization. My father has always been an advocate of improvement by selection and has followed it up in a practical way with some truly wonderful results, so that I owe much of my enthusiasm on the subject to his success. Results are quicker with plants that reproduce themselves true to color and habit from seed, but they are just as sure with plants that have to be propagated from cuttings. The natural capacity of all plants to vary furnishes the basis on which the breeder by selection works.

Food supply is an important factor in causing variability. The first and most common variation resulting from an excessive food supply is a general increase in size, which at first is relatively the same in all parts of the plant, stem, leaves, roots and flowers. If excessive nutrition is kept up for several years the plants will be found to vary in other directions, some of them increasing the size of their flowers more than their leaves, stem, etc., and by carefully watching for this form of variation, propagating from it, and continuing the process of selection for a few years this increase in the size of the flower can be made a fixed type and a valuable acquisition to our list of profitable varieties.

This process of following up a variation in order to secure a fixed type can be used in a number of directions, but in following up the improvement by selection it is best not to attempt more than one or two changes at a time or you will find but little progress, If you are working to increase the floriferousness of a variety, follow that up alone and do not attempt to have the flowers produced come up to the exhibition standard as that can be attained later on by good culture and attention. The same rule applies to fixing a type of earliness in a variety; secure that point first and then the quality of the flowers can be brought out later on. By this looking after the one point we are aiming for we must not, however, lose sight of all others, as it is quite as necessary to maintain the general health of the plant.

If hybridizers and introducers of new carnations were to follow up a careful system of selection, starting with their second year stock, and carefully rouge out all plants that show any signs of weakness or disease, and all plants that do not produce the requisite number of blooms, it would probably take a year longer to work up enough stock to put the variety before the public, but when it was introduced it would stand much more of a chance of success.

This system of selection can and should be followed up in a more general way by every grower of rooted cuttings, but for commercial purposes it need not be done so carefully as where you are attempting to fix a certain type. For general purposes the only points necessary to watch are that no cuttings are taken from diseased plants, or from plants that have been shy in the production of bloom and that all cuttings taken are from the base of a flowering shoot. Some growers will

not take a cutting from the flower stems, claiming that they are too weak and spindly; they do not make as fine looking plants but they will produce more flowers. The ideal cuttings are the three or four which can be taken right at the base of the flowering shoot, as they have both floriferousness and vitality, and the man who is growing his own cuttings with plenty of stock plants to cut from, will get the best results by selecting this style of cutting.

The worst possible cutting to use is the one selected chiefly for its size and good looks and taken promiscuously from the plant without regard to any other point. This process kept up for a few years will ruin almost any variety; the cuttings will make fine plants but the free blooming ones will be fewer and fewer each season. ALBERT M. HERR.

Ornamental Bedding at Denver.

ED. AM. FLORIST:—I notice in a recent issue some views of the ornamental bedding at Fairmount Park, Philadelphia, and thinking that your readers may be interested in the way in which we do these things in the "wild and woolly west" I forward the accompanying view of the flower garden at City Park, Denver, Col., which, if I may be pardoned my opinion, will compare very favorably with anything of its kind in the country. The combination of colors we secure here, owing, doubtless to our climate, cannot be surpassed anywhere. High horticultural authority has assured me that our geraniums were never excelled for size of trusses and the colors are perfect. The double and single whites retain their snowy tint without a trace of the pink shade so noticeable in the east.

A. J. GRAHAM, Supt.

WITH THE GROWERS.

JOSEPH HEACOCK, JENKINTOWN, PA.

Jenkintown is a suburb of Philadelphia and is celebrated chiefly in the popular mind as the home of the merchant prince, John Wanamaker, and the place from which Philadelphia receives a large part of the unexcelled American Beauty roses which do so much to drive our belles crazy with delight and our beaus with despair during the winter months.

These flowers emanate from the establishment of Joseph Heacock, which is located here, and thinking a few notes would be interesting to your readers in regard to this place your scribe made a pilgrimage the other day and subjoins jottings taken on the fly for your edification.

The greenhouses are built on the face of a hill, facing southeast, and comprise about 75,000 feet. The aspect and location is excellent and the construction of the houses is up-to-date in all particulars. The most recent addition is a palm house 25x160, with a ridge elevation of thirteen feet, solid beds and cement walks around the walls and a narrower walk down the center. This house has only been finished about two weeks. The unusual location of the walks gives more head room in center for the plants and also obviates the water soaking the wooden sides while spraying, thus adding to the life of the house. A simple thermostat is in each house and works well. It is of inexpensive construction and rings a bell on change of the temperature. They are a great success. Another wrinkle noticed was the roller doors on the newer houses—a good thing—light in construction and work like a charm.

Ten of the houses are devoted to American Beauty, which rose has been a money maker here this season, the best on record taking it all through, although a bit off at Christmas. The cut during October was something phenomenal and good prices were realized. At this date the plants look exceptionally well with the exception of one house, where a touch of spot was noticed. This was probably caused by its being the earliest one planted, the severe check of transplanting in August being put forward as the solution of the trouble.

Brides, Meteors and Bridesmaids are the other roses grown. This will be the last season of Meteor here. No money in it. It was learned that Liberty was *not* to take its place here. Why? Well, after careful figuring the conclusion was reached that at the high figures the introducers are asking for Liberty the glass would make better returns put into some other crop, which is an interesting point, if true. Now let Alexander B. Scott show a waiting world that this is a fallacy by bringing forward some logical arguments to prove his faith in his protege. He is too generous a soul to rob the poor, hard working florist in that way, I am firmly convinced, and yet here is a hard-headed Quaker like Mr. Heacock who claims the figures are against him. Let us have some light here. Brides were not as successful here as usual, but the Bridesmaids have done and are doing well.

Adiantum occupies one house but is to be discontinued after this season as the room is wanted for the palms. The palm houses are the largest and most modern on the place, and probably occupy one half the area. Kentia Belmoreana is the favorite, house after house of this fine sort being seen in fine condition and all sizes from the seed bed to ten dollar specimens. Arecas come next in quality and they are indeed a splendid lot of plants, a house of specimens priced at from ten to twenty-five dollars being a show in themselves. Two small houses are devoted to cocos. Latania and phœnix are the only other varieties grown in any quantity.

A small house of Cypripedium insigne was noticed and was said to have paid well, much better than the previous season, but that was doubtless on account of the combine on prices.

I must not forget to mention two houses of carnations which are the special pets and property of Mr. Heacock's sisters—Miss Pattie and Miss Jane Heacock—and these certainly deserve all praise; the plants are the pink of perfection and show great care and cultural ability. The varieties grown are White Cloud, Mrs. James Dean and Victor, also a few Flora Hill, but they say this isn't in it with White Cloud; others say the same and there is undoubtedly truth where all are agreed. G. C. WATSON.



ORNAMENTAL BEDDING AT DENVER, COL.

New York.

BANQUET OF THE FLORISTS' CLUB.—MEETING OF THE EXECUTIVE COMMITTEE OF THE S. A. F.—THE AMERICAN ROSE SOCIETY.—BUSINESS DULL.—REMOVAL.

The annual banquet of the Florists' Club was an unqualified success. President O'Mara presided and John N. May officiated as toastmaster. Over one hundred members and visitors were present, taxing to the utmost the accommodations of the dining hall at the St. Denis hotel. The members of the S. A. F. executive committee were all present excepting Lawrence Cotter. Boston was further represented by J. A. Pettigrew, W. S. Ewell and F. R. Mathison, Philadelphia, was represented by John Burton, Robt. Craig, Edwin Lonsdale and Wm. K. Harris; Washington by Benj. Durfee, and Buffalo by W. J. Palmer. Officers of several allied societies were also present. The table was loaded with baskets and vases of the finest floral productions of the country's best growers. An orchestra furnished the music, ably assisted by vocal accompaniment of the boys at that end of the table. Everybody was in the happiest possible frame of mind. As coffee was being served President O'Mara welcomed the guests and his predictions of success for the coming convention were received with unbounded enthusiasm. He then introduced Mr. May, who called upon President Wood to respond for the S. A. F. Mr. Wood told of the faithful work of the executive officers and hoped for a million dollar home in future for the society in New York city. Wm. K. Harris spoke for Schuylkill horticulture and modestly read a logical poem. Robt. Craig's subject was the American Rose Society. He told of the high place held by the queen of flowers in the literature of all times, quoted from Robert Burns, complimented Mr. Harris' article, advocated the establishment of a rose journal, said the American Rose Society was a child of hope and solicited support for

the coming exhibition. J. D. Carmody evoked much merriment by his talk on saints and sinners and his claim that all florists, especially those of Indiana are saints. Indiana, he said, is supplying the world with saints and is all right. W. N. Rudd responded for Prairie City horticulture and incidentally applauded the aims and work of the national society. C. W. Ward spoke for the American Carnation Society, urging every member of same to also join the S. A. F. Alderman Morris made a grand and patriotic speech for the city of New York, with complimentary allusions to Boston, Philadelphia and the world. J. Forsyth Johnson spoke for suburban horticulture, W. J. Stewart for Beantown horticulture, John Westcott for sports and Philadelphia's destiny; J. F. Sullivan for Detroit, Benj. Durfee for Washington and W. S. Ewell finished the program with a stump speech. A song was also given by C. F. Plumb, recitation by J. P. Cleary and poem by J. Austin Shaw, while the "Duke of York" was effectively rendered by Edwin Lonsdale, amid the usual difficulties.

The executive committee of the Society of American Florists had a very full attendance at its sessions in this city this week, there being only one member absent and he with unquestioned good cause. W. J. Palmer, of Buffalo, was a visitor in the capacity of a sort of bodyguard to Ex-president Rudd during his sojourn in New York state. On Thursday afternoon the members of the committee together with the officers of the New York Florists' Club were the guests of Mr and Mrs. C. W. Ward at Queens, Long Island, where they were entertained with unbounded hospitality.

The executive committee of the American Rose Society met here Saturday and elected Leonard Barron secretary in place of Paul M. Pierson, resigned. The committee also perfected arrangements for the coming exhibition to be held at Eden Musee, Twenty-third street, March 27–29, and will provide place in same for carnations, orchids and any other good things.

Little can be added to last week's report on the business conditions as they exist here at present. Weather is balmy, receipts of flowers heavy, quality medium, demand slow and values very low for the season.

J. K. Allen announces his intention to move to 106 West Twenty-eight street.

Philadelphia.

ROSES OFF CROP.—PRICES GRADUALLY SINKING.—DEATH OF MRS. HUGH GRAHAM.—COMMENTS.

The weather is very mild, not at all like winter. Still while there is plenty of sunshine most of the roses seem to be off crop or quality, particularly Brides and Bridesmaids. Prices are gradually sinking to a lower level. The finest Beauties go slow at from $6 to $7.50 per dozen. A very fair size and the best mover is being offered at $3 to $4 per dozen. Teas range from $6 to $10 with few touching the top figure. Carnations are in good shape, but cheap, as stock has to be fancy to bring $2. A few of the extra select sell as high as $4 to $5, but the quick movers bring but $1.50. Violets are now down to $1 for the best double, with Californias at 50 cents 75 cents. A few tulips are coming in at from $1 to $4. They are very poor, however. Romans may almost be had for the asking. These French hyacinths seem to have almost always been a drag. Away back in the 80s, when roses were scarce, if you bought no hyacinths you got no roses. To-day demand and supply alone regulates the price and $1 to $1.50 is the most they will bring. Valley is in fair demand at $3 to $4. There are still a few cypripediums at about $15. Plants are moving slowly. There is some fair blooming stock, azaleas, primroses, Chinese and the new Obconica, which seems to take quite well.



A VIEW IN ONE OF JOSEPH HEACOCK'S PALM HOUSES.

W. K. Harris sent in a fine bougainvillea. It was very well flowered and made a grand show in Pennock Bros.' window. Mr. Harris is also forcing a few magnolias and selling the blooms at 25 cents each. There is quite a demand for gardenias, but no one about this city seems to want to supply it.

There are still no complaints about Begonia de Lorraine. A few plants are coming back to have more flowers put on them, like the beans on the Irishman's stick, but all appear to have been satisfied and seem to think they have had the worth of their money. Some of the plants that were a little shop-worn at Christmas and were sent back by the stores are now almost as good as new.

Robert Scott & Son are having great success with their Liberty cuttings; also with their grafted stock, which is taking nicely. There are orders, however, for all of it and more, which will have to be supplied later.

Quite a contingent of grand and past grand officers of the Florists' Club attended the annual dinner of the New York brethren last Wednesday evening and report having had a most enjoyable time.

I regret to report the death of Mrs. Hugh Graham, which occurred last Wednesday. She was prominent in public work, being an active member of the Woman's Christian Temperance Union, particularly in the prison work of that organization, and was much beloved by all who knew her.

H. Bayersdorfer & Co. have lost considerable stock recently through the dishonesty of one of their errand boys, who for some time has generally gone out with his pockets full and sold the same at 5 to 10 cents per pound for 50-cent fancy to the Greeks. Their increased demand led to the discovery and two of these gentry are under arrest for receiving stolen goods.

Don't forget the ladies' night; it will be full of enjoyment until the wee small hours K.

Boston.

MARKET CONDITIONS. — TRADE POOR.—RARE CYPRIPEDIUMS.—LANDSCAPE ARCHITECTURE AT HARVARD.—NOTES AND COMMENTS.

Extremely low prices for the time of year and a remarkably light call for flowers for all purposes mark the two weeks' period since New Years. The production of rose and carnations, especially the latter, seems considerably above the normal and stock has accumulated in a most discouraging manner, much of it to be disposed of to the street dealers at absurdly low rates. Just how long it is going to last is a pertinent question with both growers and wholesalers. It has been the rule that the first half of January has always made a poor showing but the first half is now gone and no indications of improvement are discernible as yet. There is a fine variety of material offered and it covers a very wide range, as chrysanthemums jostle yellow daffodils in the florist windows and sweet peas and wallflowers are already seen here and there. The florists have been looking forward hopefully to the long period for business before Lent should come in but nothing has so far materialized that they can get much encouragement from.

Mrs. Lawson carnation is making a wonderful record as to sales. Mr. Galvin reports that already 315,000 rooted cuttings have been received. He says that those who want to procure stock this spring should order at once, as delivery will begin February 1 and the demand is unprecedented.

Oakes Ames exhibited on Saturday, January 13, at Horticultural Hall, two pretty and rare hybrid cypripediums, C. Miss Evelyn Ames an American seedling between C. Calypso superbum and C. Leeanum superbum, and C. Marwoodi,

a cross between C. Niveum and C. Harrisianum.

The Harvard faculty has decided to give from the Lawrence Scientific School a new degree in landscape architecture. The new department will comprise about twenty courses of study in architecture, landscape gardening and allied branches and they will be given at the Botanic Garden, Bnssey Institute and Arnold Arboretum.

A. P. Calder has removed to 396 Boylston street, the location lately occupied by Chas. Fohn.

Judge Hoitt and Jas. Rough are industriously exchanging confidences on the pigeon raising question.

Wm. Edgar grows quantities of Adiantum tenerum for the cut fronds which sell well for use in large work.

The mild winter has so far been very favorable to all out door material. There have been no serious ice storms and the ground is frozen but slightly.

Norris F. Comley has issued a pretty calendar on which is a photograph of the chrysanthemum vase which won first prize for him last November.

Prof. Chas. S. Sargent has gone to Europe.

Chicago.

DARK RAINY WEATHER REDUCES SUPPLY. —ROSES OFF CROP.—PETER REINBERG TO BUILD AT BOWMANVILLE.—O. P. BASSETT OFF TO PHILADELPHIA.—EXECUTIVE COMMITTEE OF THE S. A. F. AT NEW YORK.

This has been a peculiar week as regards the cut flower situation. While the weather has been dismal, reducing the local trade to the minimum, shipping orders have continued fairly numerous and stock has been so short that it has been difficult to take care of late comers. Bride and Bridesmaid roses seem to be off crop very generally and in short supply; in fact, when one sort goes off crop at the same time with the Reinbergs, Bassett & Washburn and Wietors it makes little difference what the other fellows are cutting; there is bound to be a shortage, great or little according to the state of trade. This has been a season of feasts and famines, and all because of the weather; first a period of bright, warm sunshine would rush in the stock and then couple of weeks of cold, dark, damp days would shut off production almost as suddenly as the snuffing of a candle.

The carnation exhibition of the Florists' Club, held at the Masonic Temple, January 19, was a decided success. The exhibitors and exhibits were as follows: J. F. Wilcox, Council Bluffs, Iowa, roses; carnations Jubilee, Lily Dean, Mrs. Frances Joost, Red Bradt, Gen. Maceo, America, Mrs. Bradt, Wm. Scott, Argyle, Flora Hill, New York, G. H. Crane and Mayor Pingree.

H. D. Rohrer, Lancaster, Pa., carnations Lily Dean and New York; Miller & Sons, Bracondale, Ont., Canada, carnations Lady Muito and Lady Van Horne; H. Weber & Son, Oakland, Md., carnations Genevieve Lord, Seedling No. 110 and Seedling No. 30; John S. Forster, Evanston, Ill., carnation Mystic; Wietor Bros., Chicago, Ill., carnations, sports of Armazindy.

Anton Then, Chicago, Ill., carnations McGowan, Wm. Scott, Evelina, Flora Hill, Argyle; Red Bradt, White Cloud, Mrs. Bradt, Triumph, Daybreak, Jubilee, Primula Forbesii and P. obonica.

Chicago Carnation Co., Joliet, Ill., carnations Morning Glory, Mrs. J. J. Mitchell, Seedling No. 64, Seedling No. 48, Mrs. Potter Palmer, Chicot, Seedling No. 32, Seedling No. 99, Genevieve Lord, Mrs. H. N. Higinbotham, Mrs. G. M. Bradt, Argyle, Gold Nugget, G. H. Crane, Seedling No. 106 and General Maceo. Lake Geneva Floral Co., Lake Geneva, Wis., carnation Catbird. Brown & Canfield, Springfield, Ill., carnation Albertini, Omaha Florists' Club, Omaha, Neb., various carnations. Crabb & Hunter, Grand Rapids, Mich., carnations Irene and violets. H. N. Bruns, Chicago, Ill., lily of the valley. H. McAdams, Chicago, Ill., orchids. Stuart & Haugh, Anderson, Ind., carnation Avondale. Jos. Heinl, Jacksonville, Ill., Ismene calathina. John Felke, Chicago, Ill., carnations Melba, Armazindy, Argyle, Mrs. Bradt and sweet peas. Schramm Bros., Arlington Heights, Ill., violets. Guardian Angel Orphans' Home, Chicago, carnations No. 999 and Guardian Angel. Bohemian National Cemetery, Chicago, Ill., carnation, seedling from Tidal Wave. Bassett & Washburn, Chicago, Ill., Red Bradt and seedling No. 1, Daybreak × McGowan. E. G. Hill & Co., Richmond, Ind., carnations California Gold, Mary Hill, Ethel Crocker, J. W. Riley and Indiana. J. B. Goetz, Saginaw, Mich., carnation seeding No. 1. Logan Avenue Greenhouse, Danville, Ill., carnation, sport from Rose Queen. Philip Heilig, Jr., Franklin, Pa., carnations Christmas Rose, J. C. Sibley and Philip Heilig, Jr. J. C. Murray, Peoria, Ill., carnations Evanston, Wm. Scott, Flora Hill, Mayor Pingree and Daybreak. McKellar & Winterson, Chicago, carnations Albertini. J. N. May, Summit, N. J., carnation Olympia. R. Witterstaetter, Sedamsville, O., carnations Rosemond, Elinora, Estelle and Enquirer. Vaughan's Seed Store, Chicago, Ill., Liberty roses. M. Becker, Chicago, carnation Armazindy. E. T. Grave, Richmond, Ind., carnation White Cloud.

Awards and scores were given thus: Anthon Then, honorable mention on all carnations, as well as exhibit of primula plants. Fred. Dorner, special mention on Morning Glory; also honorable mention on collection of seedlings. Chicago Carnation Co., on seedling No. 48 (white), 80 points; No. 64 (pink), 77 points; on Mrs. J. J. Mitchell, 80 points; No. 55 (pink), 85 points; Mrs. Potter Palmer, 60 points; Chicot, 80 points; seedling No. 32 (red), 60 points; seedling No. 99 (pink), 80 points; seedling No. 106 (red), 80 points; Genevieve Lord, 85 points. J. F. Wilcox honorable mention on carnations, and special mention Brides, Bridesmaids, Beauties and Golden Gate. Omaha Florists' Club, honorable mention on vases of carnations. Lake Geneva Floral Co., honorable mention on improved Tidal Wave. Brown & Canfield honorable mention on Albertini, Jno. N. May on Olympia, scored 85 points. H. D. Rohrer honorable mention on Albertini, New York and Lily Dean. Miller & Sons, honorable mention on Lady Muito and Lady Van Horne. H. Weber & Sons honorable mention on Genevieve Lord, on seedling No. 30 (pink) 88 points, and on seedling No. 110 (white) 87 points. J. C. Murray honorable mention on carnations standard varieties, and on Princess of Wales. Philip Heilig, Jr., honorable mention on six seedlings, also on a vase of Christmas rose carnation. Wietor Bros. scored 90 points on sport of Armazindy. Bassett & Washburn honorable mention on Red Bradt; also scored 80 points on seedling No. 1. Bohemian National Cemetery, honorable mention on red seedling from Tidal Wave. Logan Avenue Greenhouses honorable mention on sport from Rose Queen. E. G. Hill & Co. scored 85 points on California Gold, 95 on Mary Hill, 88 on Ethel Crocker and 90 on Indiana. J. W. Rider on variegated white-pink scored 86 points. J. B. Goetz honorable mention on red seedling. R. Witterstaetter scored 100 points on Enquirer, 98 on Opal, 97 on Estelle, 93 Elinora, and 91 on Rosamond. Orphans' Home scored 90 on sport of Armazindy. M. Becker, honorable mention on Armazindy, and 90 points on sport of same. Ernst Asmus honorable mention on vase of Liberty rose. E. T. Grave honorable mention on vase of White Cloud. H. N. Bruns honorable mention on exhibit of lily of the valley. A. McAdams honorable mention on exhibit of cattleyas (cut blooms and plant). Crabb & Hunter scored 92 points on Irene and received honorable mention on violets. Stuart & Haugh on Avondale, 90 points. John Felke honorable mention on four vases of carnations, also on vase of sweet peas. Schramm Bros., honorable mention on exhibit of violets. J. C. Vaughan honorable mention on vase of seedlings.

Peter Reinberg is going to build again. This time it is a range of ten houses, 25x 265, for American Beauties. Mr. Reinberg has an idea that he doesn't get Beauties enough from his houses at Summerdale and he is convinced that none of the usual causes account of the trouble so that the difficulty must lie in a peculiarity of the location; for this reason the new houses are going up at Bowmanville, about a mile west of the Reinberg range and in a territory famous for its Beauties. Mr. Reinberg plans to build these houses in the most approved manner. He is now in the market for material and has already made a number of purchases, one including four boilers and 30,000 feet of iron pipe of Henion & Hubbel. The Garland gutter will be used throughout.

O. P. Bassett goes to Philadelphia to-day for another look at Liberty, growing in the houses of Robert Scott & Son. He expects to bench about one-twentieth of the total number of Liberty cuttings propagated this year.

W. N. Rudd has been in New York this week to hand the presidency of the S. A. F. over to E. M. Wood at the annual meeting of the executive committee. Mr. Rudd went east in a very satisfied frame of mind, this being the most successful season he has had with his carnations and the police having just recovered from a pawn shop the watch which was among the things of which his home was robbed a few weeks ago.

Frank Beu, a grower at Mayfair, has rented a counter at E. C. Amling's and will hereafter do his own wholesaling. Mrs. Beu will have charge of the counter, and will be ready for business to-day.

Walter and Mrs. Kreitling will celebrate the fifteenth anniversary of their marriage this (Saturday) evening at Kindergarten Hall, 10-12 East Van Buren street.

Vaughan's seed store is being fully redecorated and painted for spring trade.

Visitors in town: Geo. A. Kuhl, Pekin, Ill.; Fred. Dorner, Jr., Lafayette, Ind.; E. G. Hill, Richmond, Ind.; Helm Bros., Blue Island, Ill.; Mrs. John Taylor, Minneapolis, Minn.; J. M. Smely, Aurora, Ill.; H. J. Millatt, Kansas City, Mo.; W. B. Perry, Cresco, Ia.; W. T. Symonds, Decorah, Ia.; Nicholas Zweifel, Milwaukee, Wis.; Wm. Dittman, New Castle, Ind.; Jas. G. Hancock, Grand Haven Mich.; Geo. F. Crabb, Grand Rapids Mich.

Cincinnati.

VIOLET SHOW AT THE CLUB ROOMS.—EXTRA FINE CARNATIONS SHOWN.—PLANS FOR LARGE PARTY TO VISIT BUFFALO.

On Saturday, January 13, the regular monthly show was held at the rooms of the Cincinnati Florists' Society with violets a special feature. Corbett & Wilson captured first prize, Crabb & Hunter, Grand Rapids, Mich., second, and J. R. Goldman, Middletown, third. W. K. Partridge, of Lockland, O., made a very creditable display of roses and carnations. He was awarded first on Flora Hill and Jubilee and an award of merit on his general display. Sunderbruch Sons were first on Bradt and Melba. George & Allan first on Brides, Bridesmaids, Perles and Meteors.

R. Witterstaetter had a fine collection of carnations, although he was not awarded a cash prize, as only standard varieties were entitled to same, but the public went wild over his exhibit; his Opal was grand and the same may be said of Melba. Among his new sorts was Irene, a large and well formed pink, which scored eighty-five points; Estella, bright scarlet flowers, large and full, stem strong, calyx perfect; Elinora, a beautiful white and the largest bloom on the table, scoring eighty-six points; 550 A., another white and a rival of the former but with petals fringed and very fragrant. Enquirer, cerise pink and so far the winner of the McLean Gold Medal, showed up to better advantage than in December.

Among the violets there was a new variety, Imperial, grown by Corbett & Wilson, the flowers resemble Marie Louise when at its best, but the stems are longer and if anything it is a shade darker. Princess of Wales was in the lead among singles.

In the evening the regular monthly meeting was held, with President Murphy in the chair. A vote of thanks was tendered Mr. Partridge for his generous donation, namely, that his collection of cut blooms be sold and the money turned into the treasury. A committee was appointed to arrange for a pilgrimage to the Buffalo carnation meeting next month. We expect to get a low rate of fare and to send a large party. Those interested are invited to address Frank Ball, care of the Cincinnati Cut Flower Co., or Richard Witterstaetter, Sedamsville, O. H. SCHWARZ.

Pittsburg.

MEETING OF FLORISTS' CLUB.—HORTICULTURAL ASSOCIATION OF PENNSYLVANIAS' EXHIBITION.

Trade is about the same as the previous week. Stock is abundant and prices moderate.

The Florists' Club met on the 11th inst., and re-nominated the present officers to serve another term. Several new members were taken up, the meeting then adjourned and the members spent a few pleasant hours at Davis' howling alley.

The Horticultural Association of Pennsylvania held its forty-first annual meeting in Old City Hall, Market street, on the 16th and 17th inst. The meetings were very interesting and well attended. They have a membership of over one hundred active members. The address of welcome was made by the Hon. Wm. Diehl, mayor of Pittsburg. The hall was prettily decorated with laurel wreathing, wild smilax, holly and groups of palms. The stage was banked also with palms. The exhibitors were as follows: Gustav and J. N. Ludwig, best display of cut flowers, furnished by M. W. Woodroffe & Co, Philadelphia, whose representative was M. J. Fisch, long stemmed Beauties, Brides, Bridesmaids, a fine bunch of Ethel Crocker carnations, besides a number of other varieties of carnations too numerous to mention. In this same exhibit were orchids, furnished and grown by John Murchie, of Sharon, Pa., also three vases of freesias, the finest ever grown, by Ernest Fischer, of Castle Shannon, Pa. E. C. Ludwig's display consisted of Meteors, Brides, Bridesmaids, mignonette and several varieties of fine carnations. He also had some table plants. L. I. Neff showed fine strains of Chinese primroses in pots, also Brides, Bridesmaids, narcissus and Roman hyacinths.

The Mrs. Thomas Lawson carnation was placed on exhibition but as it had suffered during shipment it did not make a creditable showing.

Decorative plants were exhibited by Randolph & McClements, who had a fine display of large palms grouped on the stage, besides one of small plants, such as crotons, dracænas, ferns, palms, etc. John Bader had a large group of palms, such as arecas, kentias, latanias, etc. Blaha & Foss showed two large groups of fine assorted palms. Vegetable and fruit exhibitors were G. H. Beckert and G. Robinson & Co., each having a fine display of all kinds of fruit and vegetables. Wm. Lowe had a basket of flowers made of different vegetables which was very much admired.

The exhibit of the Horticultural Fruit Growing Association, consisting of many varieties of apple and other fruits, was very tempting and much admired. Several cases of wild smilax, donated by the Pittsburg Cut Flower Co., and laurel wreathing and holly received from Thomas Ulam, greatly added to the decorations of the hall. G. O.

Grand Rapids, Mich.

TRADE FAIR.—STOCK ABOUT EQUAL TO DEMAND.—ELABORATE WEDDING DECORATION.—BEAUTIES SCARCE.—VARIOUS ITEMS.

Trade the past week was all we could expect, considering the weather, and generally speaking the flowers are not what you could term A 1, still very good. Violets are looking up some and with a little sunshine all will be able to keep up to the demand. Carnations are at their best.

The Crosby-Barnheart wedding was the feature of the season. Crabb & Hunter used hundreds of palms about the house, and on the table a flat basket three feet in diameter made of Bride roses.

Hopp & Lemke, who decorated the church for this same wedding used mostly American Beauties. With all the flowers grown about Grand Rapids most of the Beauties had to be shipped from Chicago as they are here, as everywhere else, very scarce.

The new carnation, Irene, received a certificate at Cincinnati and scored as follows: Color, 21; size, 17⅓; calyx, 4⅓; stem, 19; substance, 8⅓; form, 10⅔; fragrance, 4⅓. Irene carnation will be shown at the Chicago Florist Club's special carnation meeting Friday, January 19, and will also be displayed at the Kreitling celebration, Saturday, January 20.

Grand Rapids growers and florists, like the rest of the world, are interested in all new flowers for we, like the rest, wish to keep up with the times.

GEO. F. CRABB.

Providence, R. I.

The January meeting of the Florists' and Gardeners' Club of Rhode Island was held on January 11. The newly elected officers were as follows: President, James Hockey; vice-president, Wm. Hill; secretary, Alex. Rennie; treasurer, F. Macrae. The committees appointed were: Essays and discussions, Wm. Appleton, Jr., James B. Canning and Lawrence Hay; investigation, R. W. Grum, I. Z. Dodge and J. F. Schillinger; entertainment, Wm. E. Chappell, T. J. Johnston and N. J. Pierce; awards on exhibits, M. Sweeney, W. S. Nichol and Alex. Millar.

After a short session the club adjourned to the rooms of the Providence Athletic Club where a real up-to date banquet was served. The tables were beautifully decorated with potted plants and cut flowers through the kindness of T. J. Johnston and N. J. Pierce.

After supper the usual weed was passed and when fumigation was well under way, President Hockey after a few well chosen words of welcome introduced ex-President Wm. E. Chappell as toastmaster for the evening, who in a humorous way introduced the speakers.

Toasts were drunk to the success of the club and sister organizations.

At 12 o'clock the annual banquet closed by all singing "Should old acquaintance be forgot." Every one went home with fond recollections of the best time the club ever had.

Before the meeting the members assembled at the store of T. J. Johnston, where Secretary Rennie was presented with an elegant combination desk. This was a wedding present from the members of the club. In a few well chosen words Mr. Rennie thanked the members for their beautiful token of esteem.

Funeral work has been no small item for the past month and white flowers are at a premium. LITTLE RHODY.

New Haven, Conn.

The cut flower business has been very good since the holidays, somewhat differing from former years, when as a rule it has been very quiet. Funeral orders were the greater part of the work done, with quite a number of teas and coming-out parties. Cut flowers of all varieties were never more plentiful than at present. Every one of the local growers are cutting more than they can use. Carnations are a drug on the market of the ordinary sorts, while fancy varieties bring good prices. Local florists are all looking forward to the Yale Junior Promenade, which takes place on the 23d of January. Violets are the flowers mostly used, and one florist disposed of 30,000 in two days at the last Promenade of 1899.

Charles A. Monroe, who for a time has been in the flower department of Ewen McIntyre, has severed his connection with them to open a floral establishment of his own on Chapel street near Temple street.

John N. Champion has been appointed vice-president of the Society of American Florists for the state of Connecticut and is to report at the convention next August in New York city.

Recent visitors: J. K. Beach and John Reck, Bridgeport, Conn; A. N. Pierson, Cromwell, Conn.; A. Herrmann, New York, A. MacHutchings representing August Rhotert, New York; Paul Berkowitz representing H. Bayersdorfer & Co., Philadelphia, Pa. G. H.

THE AMERICAN FLORIST

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Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THERE are indications of a still further decline in prices on glass of from two and one-half to five per cent.

As we go to press the telegraph brings information of the death of Mrs. H. F. Michell, at Philadelphia, on January 19 after a brief illness. Mr. Michell has the sympathy of the trade.

WE are in receipt of calendars from Jno. D. Imlay, Zanesville, O.; H. Bayersdorfer & Co., Philadelphia, Pa.; Jerome B. Rice & Co., Cambridge, N. Y.; W. Atlee Burpee & Co. Philadelphia, Pa.

THOSE who are in the market for car load lots of greenhouse glass are obtaining very reasonable quotations, lower in fact than a year ago, but are experiencing much difficulty in securing assurances of delivery.

FRANK HAYES, of the H. M. Hooker Co., Chicago, who has just returned from a visit to Pittsburg, the seat of the industry, states that beginning with the middle of January the output of greenhouse glass will be the largest ever known.

Foreign Attachment Issued.

A foreign attachment was issued yesterday from the Common Pleas Court in the suit of W. S. Hood against the American Jadoo Company. Bail was fixed at $4,000.—*Philadelphia Record.*

Height of Water Tank.

ED. AM. FLORIST:—I am about to erect a water tank to supply 4,000 to 5,000 feet of glass, and want sufficient force to keep smilax and such stock clean. Will you kindly advise me as to the lowest practical height the bottom of tank should be above ground. J.

In syringing for the mealy bug and similar insects, a head of water of thirty-five or forty feet is desirable. This, of course, would be measured from the level of the water in the tank, and it can be arranged to have it nearly full when the syringing is to be done. The force of the water will be materially affected by the size and length of the connecting pipe and hose. When the distance to the tank is not more than 100 feet and the pipe leading to the house is 1¼-inch or larger, with 1-inch distributing pipes, a strong stream can be secured through a short length of ¾ or 1-inch hose, even though the head is somewhat less than recommended above, but while sixteen feet to the bottom of a tank with 12-foot staves will give fair results under favorable conditions, it will be better if twenty-five or thirty feet can be secured. L. R. T.

Greenhouse Building.

Noroton, Conn.—C. W. Raymond, one conservatory.

Natick, Mass.—Burnside Conservatories, one greenhouse.

Forestville, Conn.—C. B. Smith, one conservatory.

Rockland, Me.—Starret Bros., one forcing house.

Kankakee, Ill.—Chas. Schafer, range of houses.

Chicago, Ill.—Peter Reinberg, ten Beauty houses.

English Conservatism.

In a general way we are compelled to bow our heads and admit the superior wisdom in all (but a few) things horticultural of the inhabitants of the little island which lies in between Ireland and the continent of Europe. We are constrained, however, to smile a little at their conservative point of view. For some years a discussion has been going on in their horticultural papers as to the advisability of exhibiting flowers on long stems in place of on boards, "not to abandon the board system, you know. Never! but just to try a few vases of long stemmed blooms for variety." Apparently with fear and trembling they have tried a few classes of chrysanthemums and carnations and, having found that the heavens did not fall, a few rash individuals are even now actually advocating the showing of roses on long stems. With characteristic caution, however, one of these advocates admits that it would waste a lot of good wood and says "Still further, because rose wood is so hard, it is just possible that flowers set up on long stems may not keep fresh in water." We will have to refer them to Walter Coles' nine-foot three-inch (?) American Beauties shown at the World's Fair flower show.

On a different subject, but apropos, is the following method of propagating coleus, gravely set forth in a half column in the *Gardeners' Magazine*. "Take each cutting about 4 inches in length with the lowest pair of leaves trimmed off. Insert these near the rim of three and one-half-inch pots, which are filled with compost of equal parts of loam, first cocoanut fiber and coarse silver sand, passed through a ¼-inch sieve. The pots must be thoroughly well drained and used in a clean dry state." They are to be put under hand glasses and if properly handled and shaded "there will be few if any failures," especially if they have been put in the pots firmly and "the base of each well banked up with compost." As Miss Bennett would say, "Wouldn't that jar one?"

Definitions and Deductions.

"Foresight, provident care of futurity; foreknowledge accompanied with prudence in guarding against evil."—Webster's Dictionary.

A perusal of the cut flower market reports of the recent holiday season and a comparison of the same with the story of similar annually recurring events in recent years, brings the conviction that nobody needs to cultivate the latter mentioned ingredient in the attribute above described more than the commercial bulb forcers of this country at present. With the AMERICAN FLORIST within the reach of every grower, foreknowledge based upon experience truthfully recorded is open to all and there would seem to be no rational excuse for failing to exercise that ordinary prudence commonly known as "horse sense" in conduct of a business which, while yielding a very narrow margin of profit at best, exists, nevertheless, under conditions of peculiarly easy control as to output.

It certainly looks like a singular perversity that leads a bulb forcer to put in, for Christmas, Roman hyacinths or any other bulbs in quantity several times greater than the recorded facts indicate the demand at that time can possibly take care of. If this persistency in bucking against the inevitable is not perversity of a very suicidal type, what line of reasoning does the grower follow in thus sacrificing material for which he has had to pay cost, freight and duty, throwing away his labor and coal and in addition to bringing disaster upon his own specialty, likewise injuriously affecting more or less every branch of the cut flower industry?

When at such times we see crate upon crate of white bulbous flowers disposed of for less than their cost value and quantities more going to the rubbish heap for lack of a buyer, when in the spring time the plant auction rooms are encumbered with rubbishy low-grade verbenas and such stuff that is most likely doomed to go toward filling up the docks, or, if sold at all, to bring a price barely covering cost of marketing, while other material such as bright-colored double geraniums from more prudent growers, sell readily at five to ten times the money, one is possessed of an almost irresistible impulse to seek out the foolish manipulators, and with a good grasp on their coat collar, shake them up to a realization of what everybody else but themselves can plainly see. They "have not time to read trade papers," but they have both time and means to waste in disregard of that foresight which to a business man means just the difference between prosperity and disaster. And "this is no dream."

Washington.

TRADE PROSPECTS GOOD.—BATCHELORS' COTILLIONS.—DECORATIONS AT DIPLOMATIC DINNER.—MILES-REDER WEDDING DECORATIONS.—NOTES.

From the announcements of the receptions, teas and cotillions, some of the florists will have something to do between this and Lent. Roses, violets and carnations are fine and plentiful, and the good ones bring fair prices. Bulbous stock is abundant but not much in demand.

J. H. Small & Sons had the decoration for the first of a series of the Batchelors' cotillions which took place at the National Rifles' Armory, Tuesday, January 9, and was a pronounced success, both in attendance and decorations. The predominating color was red. The walls and ceiling were covered with southern smilax, the windows being covered with red draperies. In the space between the windows were boxwood wreaths four feet in diameter, tied with broad red ribbon. The stage was draped in red, over which was festooned southern smilax caught up with wreaths; at each end of the stage large palms were effectively grouped, and at the head of the steps leading to the stage, from which the buffet supper was served, were two fine specimens of Kentia Forsteriana. The balcony at the lower end of the hall, where the orchestra was stationed, was covered with red draperies and decorated with southern smilax and boxwood wreaths. The flower favors used were made of Meteor roses placed on pyramids at either side of the stage.

The first diplomatic reception at the

white house January 10, was well attended. The decorations in the east room were similar to the decorations for the dinner of January 3, with the exception that cut flowers were used on the two mantles on the east side, which were banked with Roman hyacinths, Wm. Scott carnations, Golden Gate, Bride and Bridesmaid roses. The transom over the main entrance was decorated with palms, variegated pine apples, ferns and azaleas, the south mantles were banked with ferns, cyclamens, Erica persoluta alba and the north mantles with ferns, Erica persoluta alba and poinsettias. In the east window were three fine specimens of Kentia Forsteriana; among the crotons the following were extra fine colored, Lord Bellhaven, Dayspring, Andreanum Chrysophyllum Mortii, Reedii, Johannis. The ferns used, Adiantum 'Ballii and cuneatum, Davallia Mooreana, Nephrolepis davallioides furcans. The center of the room was left free.

J. L. Loose had the Miles-Reber wedding decorations. The church was decorated with palms and white roses in large bunches on high supports to represent standard plants in bloom. The house was handsomely decorated with smilax, palms and poinsettias. The bride carried cypripedium and lily of the valley. The bridesmaids, Bridesmaid rose.

The American Rose Co. are making a fine display in their window with Begonia semperflorens gigantea rosea, which they are using and blooming as a table decoration. The window was well filled with bunches and cornucopias, having around the sides a large centerpiece and horseshoe filled with Asparagus Sprengerii and begonia blooms. A week before Christmas they finished a large house 64x216 feet, to replace five houses destroyed by the storm late last summer and planted with 21,000 carnations, their white seedling "Luna," from the field, which are on a fair way for a good crop by Easter.

J. H. Small, the senior member of the firm of J. H. Small & Sons, recently suffered a severe stroke of apoplexy. His many friends will be pleased to learn that he has quite recovered again and is strolling about when the weather permits.

P. G.

Heating Apparatus.

ED. AM. FLORIST:—I have a greenhouse 13x25 feet which I wish to heat by hot water, the heater to be placed in a cellar twenty-five feet from the greenhouse. What kind of heater would you advise using and how much will it cost, including proper piping, to put the same in operation? O. O.

Without knowing more regarding the size, height and construction of the house, and where it is located, it is not possible to give a definite answer, but if it is an ordinary even-span house, without glass in the side walls, it is probable that about 160 square feet of radiation will be required to maintain a temperature of 60° in zero weather. To supply this, and the amount necessary for the connecting pipes, a boiler should have a rating of at least 225 square feet, and a slightly larger size would be desirable.

The conical or base burning boilers made by several advertisers in this paper will answer well for a house of this size and can be purchased for about $75. Two and one-half-inch pipes will answer as the flow and return, and the required radiating surface in the house will be supplied by using 320 feet of 1½-inch, or 260 feet of 2-inch pipe. At the present prices the cost of heater, pipe, fittings and labor will not be less than $150.

L. R. TAFT.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a first-class Beauty grower. Best references; life-long experience. Write best terms. LIBERTY, care Am. Florist.

SITUATION WANTED— By experienced rose grower, single, American; over 10 years' in present position. Best references; want to change. Address P. O Box 109, Madison, N. J.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

SITUATION WANTED—By young florist age 25, in private greenhouses near Philadelphia. Experienced in all branches. First-class reference;. F. KENT, 4313 Otter St., Philadelphia.

SITUATION WANTED—As foreman on a commercial place by a first-class grower of roses, carnations, violets, 'mums, ferns, palms and bulbous stock. Address A B, care American Florist.

SITUATION WANTED—As grower of carnations and tea roses or working foreman on retail place. First-class cut flower worker and decorator; married Address GEO. R L., care American Florist.

SITUATION WANTED—As gardener on a gentleman's place; best references; 18 years' experience; married with a small family. Willing to make myself generally useful. C M, care Am Florist.

SITUATION WANTED—By young man, age 21; private place; greenhouse, orchids, etc. Good references. A. JOHNSON, The Gardens Oakfield, Somerset Road, Wimbledon, Surrey, England.

SITUATION WANTED—For a boy age 17; has worked 2 years in greenhouses and about lawns. He is strong and a good worker, pleasant and obliging. Would like to get him a good place to finish his trade. Address FLORIST, S & S O Home, Knightstown, Ind.

SITUATION WANTED—By thoroughly reliable and practical florist. Lifetime experience as grower and designer. Competent to take charge. German, single; will be disengaged February 15. Distance will not make any difference. Address C. SCHULTZ, 623 Washington St, Wausau, Wis.

WANTED—Boy to learn the greenhouse business and the growing of cut flowers. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—A strictly temperate florist of 15 years' experience wants to buy stock and rent a moderate sized place in city of 20,000 or over Address SANFORD, care American Florist.

WANTED—Florist, single, one used to Rocky Mountain country preferred. Steady place, $25 per month with board, room and laundry. Address BYRON H. IVES, Albuquerque, N. M.

WANTED—Rose grower that can grow a No. 1 stock Must be sober and a good worker; best of references required: no other need apply Address ROSE GROWER, care American Florist.

WANTED AT ONCE—A good steady man as fireman must have some experience in greenhouse work, steady work, $9 per week; want reference. E. J. BOLANZ, 222 S Main St., Akron, O.

WANTED—A a good man for greenhouses, married or single, steady work, a good waterer preferred. State wages with or without board. Address SOUTHERN MICHIGAN, care American Florist.

WANTED—Some one to furnish capital to erect a range of houses for growing Am. Beauties for the Chicago market by an experienced grower who can furnish best references. K. P, care American Florist.

WANTED—A young man, German, who understands general greenhouse work; must be sober and willing to work. Place steady with board and room, wages $15. Address J RINDFLEISCH, Beloit, Wis.

WANTED—Single man German, must understand general greenhouse work one who is sober, reliable and a good worker. State wages expected with board. A steady place to the right man. References. J. A. BISSINGER, Lansing, Mich

WANTED—To correspond with a good all-round florist. Must understand roses, carnations, 'mums and bedding plants Place open March 1. A good home for a single man Send references and wages wanted with board and room to OHIO BOY, care American Florist.

WANTED AT ONCE—A first-class man to take full charge of a place of 30,000 feet of glass to grow cut flowers Will pay $40 per month including board, room or $60 for married man; give reference where employed last Address CUT FLOWERS care American Florist.

FOR SALE—Commercial place of R. D. BAKER, Canon City, Colo.

TO RENT—For cash or share, greenhouses of 9,000 feet in full operation. Address GREENHOUSES, care American Florist.

FOR SALE—Four greenhouses well stocked, with fine residence, all as good as new; hot water heating, city water, electric cars. R.R MORITZ TITTEL, 1339 W. Leland Ave., Jefferson Park, Chicago.

FOR SALE—Who wants a chance to secure a home and a business for little cash; dwelling and 4000 ft of glass; no competition; good thing for florist or lettuce grower; only $400 required. A1 CHANCE, care American Florist.

WANTED.

A first-class assistant in leading city flower store. Only those having had experience in progressive, prosperous establishments need apply. Address

G, care Wm. J. Stewart, 67 Bromfield St., Boston.

FOREMAN WANTED To take charge of 50,000 feet of glass; must be competent to handle men and be thoroughly posted on growing and forcing all sorts of blooming plants and growing of spring bedding stock. Send names of former employers, so we can look up your record. Man must be strictly first-class to fill the bill. Salary $160 per month. THE PARK FLORAL CO., Box 700, DENVER, COL.

For Sale Cheap.

I have 16 shares of stock in a large florists' business which I wish to sell. Am in need of money and must dispose of them. For one that has money, no better investment can be made. For particulars address

A, care American Florist, Chicago.

SOLE AGENT WANTED FOR THE DUTCH BULB TRADE.

A Dutch bulb firm, wholesale bulb growers, well introduced in the U. S., seeks a respectable person as *sole* agent for the U. S. and Canada. Address, stating full particulars.

425 P. O., Sassenheim, Haarlem, Holland.

WANTED...

3000 feet second-hand glass, 1500 feet 2-inch pipe, one hot water boiler. Early summer delivery.

W. A. REIMAN, Vincennes, Ind.

FOR SALE. A first class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

∴FOR SALE.∴

A Greenhouse plant of 36,000 square feet of glass, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with every modern appliance; have Hereadeen boilers, and are well stocked with Roses, Carnations, Ferns and everything pertaining to the business. Will be sold at a sacrifice, as owner has other interests.

For further particulars apply to

PROPRIETOR,

P. O. Box 797, Pawtucket, R. I.

Some Recent Fires.

SOUTH BEND, IND.—On January 8 fire inflicted a considerable loss upon Treanor & Rettie.

MANCHESTER, MASS.—M. A. Mason's greenhouse at Smith's Point was burned to the ground last week.

ROCHESTER, N. H.—S. A. Tuttle, whose greenhouses were burned about a month ago has decided to continue business and will rebuild at once.

SUMMIT, N. J.—A large portion of the greenhouses on the De Forest estate were burned January 10. The total loss is estimated at about $25,000, partly covered by insurance.

KENNETT SQUARE, PA.—The Pierce Warrall greenhouse establishment, including a residence and eight acres of land, has been sold to Chas. B. Harvey and Fred. T. McDonald, who take possession April 1.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

Wholesale Flower Markets

CINCINNATI, Jan. 18

Roses, Beauty, select	75 00
" medium	25.00
" Bride	4 00@ 6.00
" Bridesmaid	4 00@ 6 50
" Meteor	6 00@ 8.00
" Perle	4 00@ 5 00
Carnations	1 00@ 1 50
" fancy	3 00@ 5 00
Lily of the Valley	3.00@ 4 00
Violets	.75@ 1.00
Narcissus	2 00@ 3 00
Roman Hyacinths	2 00@ 3 00
Callas	8 00@10 00
Harriett	8.00@10.00
Daffodils	4 00
Asparagus	50 00
Smilax	10.00@12.50
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15

ST. LOUIS, Jan. 18.

Roses, Beauty	10 00@20.00
" fancy	25.00@50 00
" Bride, Bridesmaid	6 00@ 8.00
" Meteor	6 00@ 8 00
" Perle, Wootton	4 00@ 6 00
Carnations	1 00@ 2 00
Lily of the valley	4 00
Violets	.75@ 1.00
Narcissus	2 00@ 3.00
Romans	2 00@ 3 00
Callas	10 00@15 00
Harriett	12 50@15 00
Stevias	.50@ .75
Smilax	15.00@18 00
Adiantum	1.00
Asparagus	.50 00@75.00
Sweet Peas	1.50@ 2.00

MILWAUKEE, Jan. 18.

Roses, Beauty, long per doz.	3.00@ 4 00
" " medium " "	1 50@ 3.00
" " short " "	.50@ 1 00
" Bride, Bridesmaid	6 00@ 8.00
" Perle	4 00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations	2 00@ 3.00
Violets	.75@ 1.00
Roman Hyacinths	3 00@ 4 00
Mignonette	2.00@ 3.00
Adiantum	1 00@ 1 50
Common ferns	.25
Smilax	15.00@18.00
Asparagus	75.00

PITTSBURG, Jan 18.

Roses, Beauty	10.00@60 00
" Bride, Bridesmaid	3.00@ 8.00
" Meteor	3.00@ 8.00
" Kaiserin	3 00@ 8.00
" Perle	3 00@ 6.00
" Cusin	3.00@ 6 00
Carnations	.75@ 3.00
Lily of the valley	3 00@ 4 00
Violets, double	.50@ 1 50
" California	.35@ .50
Narcissus Paper White	2 00@ 3 00
Roman Hyacinths	1 50@ 3.00
Harriett	15 00@20.00
Freesias	3.00
Tulips	3.00
Smilax	12 00@15.00
Wild smilax per case	3 50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax Leaves	.15

Cyclamen Plants.

THE management of the Rosebank nurseries has decided, in order to make space for other crops, to dispose of the stock of cyclamen plants reserved for special city trade.

This stock is in the best possible condition of form, foliage and florescence, and will be so packed that we have no hesitation in guaranteeing its safe arrival.

Five and Six Inch Pots, averaging three blooms each, Six Dollars per dozen.

NO CHARGE FOR PACKING.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

Please mention the American Florist when writing.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

WHERE?

There should be no question as to where to buy cut flowers. There are a dozen wholesalers in Chicago, but now that we're in our new quarters we don't take a back seat for any of them, neither on quantity or quality of stock handled, certainly not on quality. We've made a clean record this season; filled every order promised and most of the late orders by wire. If you are buying of us now we think we may expect you to stay with us; if you're buying elsewhere we should like a trial order.

WHOLESALE CUT FLOWERS.

E. C. AMLING,

32-34-36 Randolph St.,

W. S. HEFFRON, MGR.

...CHICAGO, ILL.

Please mention the American Florist when writing.

GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

	Per Dozen.
AM. BEAUTIES, Ex. long	$7.00 to $8.00
" 24-inch stems,	5.00 to 6.00
" 20 " "	4.00
" 15 " "	3.00
" 12 " "	2.00
" short "	1.00
	Per 100
CARNATIONS, fancy	$3.00 to $5.00
" standard vars. asst.	1.00 to 2.00
BRIDES	6.00 to 10.00
BRIDESMAIDS	6.00 to 10.00
METEORS	6.00 to 10.00
PERLES	4.00 to 6.00
VALLEY	4.00 to 5.00

	Per 100.
VIOLETS, double	$1.00 to $1.25
" single	.75 to 1.00
ROMANS	2.00 to 3.00
NARCISSUS	2.00 to 3.00
ADIANTUM	.75 to 1.00
ASPARAGUS, 50 cts.	
SMILAX, $1.50 per doz.	12.50
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS, $1.25 per M. (Vermont Fern Co.'s very best.)	.15

WILD SMILAX. (Caldwell's.)

No. 1 contains 15 lbs.		$2.50
No. 2 "	20 lbs..	3.50
No. 4 "	35 lbs..	4 50
No. 5 "	40 lbs..	5 50
No. 6 "	50 lbs..	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's

Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, BULBS, ETC., ETC.

We are strictly headquarters in the Western States for MASSACHUSETTS FANCY FERNS,

Present prices: Per M. $1.50; per 5 M lots, $5.50.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

All stock at lowest possible prices.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

.....It your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO. Jan. 19.

Roses, Beauty, extra long stems	6.00@ 8.00
" " 30 inch "	5 00
" " 24 " "	4 00
" " 20 " "	3.00
" " 15 " "	2.00
" " 12 " "	1 50
" " 8 " "	1 00
" Bride, Bridesmaid	6 00@10 00
" Perle	4.00@ 8 00
" Meteor	6 00@10 00
" Kaiserin	6 00@10 00
" La France	6.00@ 8 00
" Golden Gate	10 00
Carnations	1.50@ 2.00
" fancy	3 00@ 4 00
Violets, double	.50@ 1.00
" single	40@ 1.00
Lily of the Valley	3.00@ 5.00
Cattleyas per doz	6 00
Dendrobiums "	3 00
Lilacs per doz.,	$1.00
Mignonette	1.00@ 2.00
Roman Hyacinths	1.00@ 2 00
Narcissus	3 00@ 4 00
Harrisii per dozen	1 50
Callas "	1 50
Freesias	4 00
Adiantum	.50@ 1.00
Common ferns	.15
Fancy Ferns	.20
Smilax	10 00@20.00
Asparagus	50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT — Roses Violets



PITTSBURGH, PA.

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long.

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN
Always on Hand:
CARNATIONS, BRIDESMAIDS, BRIDES. FLORISTS' SUPPLIES
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2085.

Consignments of Roses, Carnations and Violets Solicited.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Wholesale Flower Markets

PHILADELPHIA, Jan. 17.

Roses, Tea	6 00@10.00
" " extra	10.00@12 00
" Beauty, extra	75.00
" " firsts	25.00@50 00
" " seconds	10.00@15.00
Carnations	1 00@ 2 00
" fancy	2.00@ 3.00
Lily of the valley, Romans	3 00@ 5 00
Violets	1 00@ 1.50
Mignonette	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00

BOSTON, Jan. 17.

Roses, Beauty, extra	30.00@50.00
" " medium	15.00@20 00
" " culls	2 00@ 5.00
" Bride, Bridesmaid, Meteor	4 00@ 6 00
" special	8 00@12.00
Carnations, ordinary	1 00@ 1 50
" fancy	2 00@ 4.00
Lily of the valley	2.00@ 3.00
Violets single and double	.75@ 1.00
Paper White Narcissus	1 50@ 2.00
Roman Hyacinths	.75@ 1 00
Mignonette	4 00@ 6 00
Smilax	10.00@12.00
Asparagus	50.00
Adiantum	1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

In either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets & Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower. Ashtabula, Ohio.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Jan. 17.

Roses, Beauty select	25 00@40 00
" " medium	10.00@15 00
" " culls	2 00@ 5 00
" Bridesmaid, Bride, Meteor	2 00@ 6 00
" Specials	6 00@12 00
Carnations	.50@ 1.50
" fancy	2.50@ 4 00
Lily of the valley	1.50@ 2 00
Violets	.50@ 1 50
Paper White Narcissus	1.00
Romans Hyacinths	.50
Yellow Narcissus	2.00@ 3 00
Mignonette	2 00@ 8 00
Callas, Harrisii lilies	8 00@10.00
Callas "	25 00@35 00
Dendrobium formosum	15.00@ 25 00
Cypripediums	10 00@12.00
Smilax	8 00@12 00
Asparagus	35 00@50.00
" Sprengeri, per doz. bunches	1@1.50
Adiantum	1 00

BUFFALO, Jan. 18.

Roses, Beauty	5.00@75 00
" Bride, Bridesmaid, Meteor	3.00@10.00
" Perle, Niphetos	3 00@ 6.00
" Kaiserin	3 00@ 8.00
Carnations, ordinary	1 00@ 2 00
" fancies	3.00@ 4.00
Lily of the valley	3.00@ 4 00
Violets	.50@ 2 00
Narcissus Paper white	2 00@ 3 00
Roman Hyacinths	1 00@ 3 00
Harrisii	15 00@20 00
Callas	10.00@15 00
Stevias	1.00@ 1 25
Chrysanthemums	8 00@12 00
Smilax	12.50@20 00
Adiantum	.75@ 1.25
Hardy Ferns, Galax Leaves	15
Asparagus	33.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Galax Leaves
To Dealers Outside of New York City.
Choice Galax $0.40 per M.
Choice Leucothoe 2.00 "
Special attention given orders to go in cold storage. Order at once.
J. N. PRITCHARD, ELK PARK, N. C.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 326 Madison Square. NEW YORK.

Now Ready! The American Florist Company's...
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY,
324 Dearborn St., CHICAGO, ILL.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres.; ALBERT McCULLOCH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

RAINS are not yet sufficient to insure a crop in the California Lima bean district.

TRAVELERS in the bulb, plant and seed line report the year 1900 begins with good business.

THE executive committee of the American Seed Trade Association will meet in Buffalo, N. Y., January 25, at the Hotel Broegel.

THE Jerome B. Rice Co., of Cambridge, N. Y., has been incorporated under the name of Jerome B. Rice Seed Co., with a capital stock of $106,000. Incorporators: J. B. Rice, Laura J. Rice and C. E. Smith.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

STORM KING DAHLIA
READY NOW.. **For Forcing.**
Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.
W. P. PEACOCK, ATCO, N. J.
Please mention the American Florist when writing.

Verbenas The Finest In the Land....
Rooted cuttings, $1.00 per 100, $ 6 per 1,000.
Pot Plants..... 2.50 " " 20 " "
For other stock, see last week's issue Florist.
W. L. SMITH,
AURORA, ILL.

WANTED TO EXCHANGE very strong rooted cuttings of Verbenas, Vincas, Ageratum P. Pauline and white, Mexican Primrose, Nierembergias, Parlor Ivies, Paris Daisy, white and yellow Mesembryanthemums, Begonias, Feverfew and Lantanas, for Geraniums, Coleus, Golden Bedder and Verschaffeltii, Plants or Cuttings, or for cash. $1.00 per 100.
LAMPRECHT BROS., Ashland, O.

PANSIES WORTH RAISING
GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.
C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

"ARMSTRONGS' EVER-BLOOMING TUBEROSE"
...Now ready. $4 per 100...
LUTHER ARMSTRONG, Kirkwood, Missouri.

Grandest Geranium Under the Sun, **AMERICA,**
flowers large, opening white, changing through all salmon and rose shades into deep, clear rose color. Habit very dwarf; the most floriferous Geranium of the day—50c. each, $5.00 per doz.
Geranium Mars, 2½-in. pots, $5.00 per 100.
CASH PLEASE.
HENRY EICHHOLZ, - Waynesboro, Pa.
Please mention the American Florist when writing.

Tested Flower Seeds for Seedsmen & Florists
ASTER—Semple's True Branching, mixed, large trade pkt, 20c.; 50c per oz. Semple's Shell Pink, white and red, large trade pkt, 25c ; 75c per oz. Improved Pæony Flowered Perfection mixed, large trade pkt., 25c.; per oz. 75c. Improved Victoria, mixed, large trade pkt. 25c.; per oz. $1.25.
AMPELOPSIS VEITCHII—Per oz., 10c.; per lb., 75c.
CLEMATIS PANICULATA—Fine stock, large trade pkt., 15c.; per oz., 50c.; per lb., $5.00.
COBEA SCANDENS—(Stokes' Kimply collection (new crop) Large trade pkt., 10c.; per oz., 30c.
DOUBLE DAISIES—Choice German mixed, large trade pkt., 30c.; per oz., $2.00.
LOBELIA Crystal Palace Compacta (true) large trade pkt., 25c.; per oz., $1.50.
MIGNONETTE Machet (true) large trade pkt., 10c.; per oz., 40c. Defiance (true) large trade pkt., 25c., per oz., 75c.
NASTURTIUM—Tom Thumb, mixed, (new crop) per oz., 10c.; per lb., 50c.; per 100 lbs., $45.00. Tall, mixed, (new crop) per oz., 10c.; per lb., 45c.; per 100 lbs., $40.00.
PANSY—Johnson & Stokes' Kimply collection (prize strain), large trade pkt., 50c.; per oz., $5.00.
SALVIA SPLENDENS—(Florencroft strain) large trade pkt., 20c.; per oz., $1.00; per lb., $12.00.
SMILAX—Per oz., 30c.; per lb., $2.50.
VERBENA—Mammoth Mixed, large trade pkt., 25c.; per oz., $1.
JOHNSON & STOKES, Seedsmen,
217 and 219 Market Street, PHILADELPHIA, PA.

FERN SPORES SOW NOW!
WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.60.
EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802
THORBURN'S SEEDS
Our Wholesale Price List of
CHOICE FLOWER SEEDS FOR FLORISTS
is now ready. A post-card will bring it to you.
We have still on hand some of our
LILY OF THE VALLEY PIPS,
the finest that come to this country.
Per 1000, $10; cases of 3000 at $9 per 1000.
J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

BULBS. LOW SPECIAL OFFER. Per 100
SINGLE HYACINTHS, named varieties..... $4 80
" " " " colors 3 75
TULIPS, SINGLE EARLY, mixed..... .60
" " LATE, " 70
" DOUBLE EARLY, " 70
" " LATE, " 65
" PARROT, mixed..... .75
CROCUS, mixed..... 2.25
NARCISSUS POLYANTHUS, yellow, mixed 1.00
" VON SION..... 1.30
ANEMONES, single, mixed..... .75
" double, " 1.10
OXALIS BOWEII..... 1.00
" VERSICOLOR..... .75
SCILLA SIBERICA..... .75
CHINESE LILIES..... 4 00
FREESIA REFRACTA ALBA, large..... .75
LILIUM HARRISII, 5 to 7..... 3.25
" " 7 to 9..... 8.00
Order at once Terms cash. **H. L. HOLMES, Harrisburg, Pa.**
Please mention the American Florist when writing

Lily OF THE Valley PIPS.
"London Market" and "Premium" Brands.
VAUGHAN'S SEED STORE,
NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

Gardening Under Glass
Try Watson's for
SELECT STOCKS
of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.



	Packet.
TOMATO, Sutton's Best of All.....	$0.15
Lorillard, originator's stock.....	.15
Mayflower, extra selected.....	.15
Dreer's Stormonte, Veitch's original sealed packets.....	.50
LETTUCE, Big Boston, extra select...	.15
CUCUMBER, Extra Early White Spine, special.....	.10
English varieties.....	.25
RADISH, Scarlet Ball, white tip, extra early.....	.10
CAULIFLOWER, Extra Early Erfurt, special.....	.50
MELONS, English varieties.....	.25

MUSHROOM SPAWN, my celebrated "W P" brand, best in the world, 10 lbs. for $1.00. Sample brick, postpaid, for 25c.
RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.
GRAPE VINES, for graperies, 30 varieties. 1- r., 75 cts ; 2-yr., $1.50 each.
Bailey's Forcing Book The latest up-to-date work on foreing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass. 226 pages, 88 illustrations, price $1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.
GEO. C. WATSON, Seedsman,
Importer and Exporter of
GRASS and GARDEN SEEDS, BULBS, Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.
Office & salesroom, Juniper St. below Walnut,
PHILADELPHIA, PA.

XXX SEEDS
VERBENA GRANDIFLORA.
Good percentage of white.
The finest strain of Improved Giant Verbenas yet produced; largest flowers and best colors, per pkt., 800 seeds, mixed colors, 50 cts.
CHINESE PRIMROSE.
Best large, single and double, 500 seeds, $1.00.
PHLOX DRUM. PUMILA,
New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales. Mixed colors; per trade pkt., 20 cts.
A pkt. of new double Early-flowering Dwarf Vienna Carnation added to every order.
JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES.

Tell them where you saw the ad.

BURPEE'S BLUE LIST for FLORISTS

Just Published

A Complete Catalogue of 140 Pages, with Lowest Wholesale Prices on the Best Flower and Vegetable Seeds.

Any Florist who does not receive a copy within one week should write for it immediately.

W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.

Please mention the American Florist when writing.

Flower Seeds For Present Sowing.

A few varieties which should be sown early. An extract from our Preliminary List. We send it free to any florist on application.

Asters. Semple's Branching, ¼ oz., 25c. trade pkt., 15c; Peony Flowered ¼ oz. 40c. trade pkt, 20c; Improved Victoria, ¼ oz., 60c., trade pkt, 25c.; Queen of the Market, trade pkt., 10c.
Pansy. Burnard's Florist's Mixture ¼ oz. $1 00; trade pkt. 25c; Giant Mixture, ¼ oz., 50c t. pkt. 25c.
Petunias. Burnard's Double Mixed, trade pkt. 50c.; Double Fringed, t. pkt. 50c; Snowball, t. pkt., 25c
Verbenas. Mammoth mixed, oz., $2, t. pkt, 25c; Separate colors, trade pkt each, 25c.
Alyssum. (Sweet Alyssum), oz., 20c., trade pkt., 5c.
Asparagus. Sprengeri, 100 seeds, $1.50; Pl. Nanus, 100 seeds, $1.50. Ask for special prices on larger quantities.
Centaurea. Gymocarpa, trade pkt., 15c; Candidissima, 1 000 seeds, 25c
Cobaea Scandens, purple, oz. 50c, trade pkt., 10c.
Daisy Giant mixed, trade pkt. 25c
Lobelia. Crystal Palace Compacta, trade pkt., 20c.
Pyrethrum Golden Feather, oz. 50c t. pkt., 10c
Salvia Splendens. Clara Bedman, t. pkt, each 25c.
Stocks. Large flowering 10 weeks, sep. colors or mixed, oz $2 50, trade pkt. 25c.
Vinca. Sep colors or mixed, oz. 60c. t. pkt., 15c

W. W. BARNARD & CO.,
161-163 E. Kinzie St. CHICAGO, ILL.

Send for our NEW LIST of Plants for EASTER forcing. Florists' FRESH Flower Seeds, etc. READY NOW. Tuberous Begonias, single, 5 separate colors, 1 to 1½ inch, doz. 40c; 100 $2 50; 1½ to 2 inch, doz 50c; 100 $3. Dbl. separate colors, EXTRA LARGE, doz 80c; 100 $6; 1 to 1½ inch, doz. 75c; 100 $5 Gloxinia FINEST strains, doz., 50c; 100, $3 READY JANUARY. Asparagus Sprengeri seed, 100, 75c; 1000, $6 Asp. Pl. Nanus, 100, $1 25; 1000 $10 Larania bore seed, 100, 40c; 1000, $2 50. Pandanus utilis, 100, $1 25; 100, $10. Cycas Wed., 100, $1; 1000, $7 50 Japn. Fernballs, sample 50c; doz., $4 5).

H. H BERGER & CO., 47 Barclay St., NEW YORK.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list will be ready Jan 1, 1900.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

REX BEGONIAS.

8000 fine plants out of cutting bench.....2c.
500 2 and 2½-in. strong plants, fine.....5c.
500 2½-in., strong plants, leaves damaged.2c.

JOHN C. ENGELHORN, Galion, O.
Successor to Fisher & Son.
CASH WITH ORDER, PLEASE.

The American Florist Company's

DIRECTORY

contains the names and addresses of the Florists, Nurserymen and Seedsmen of the United States and Canada. **PRICE, $2.00.**



WIBOLTT'S "SNOWBALL."

GENUINE DANISH SEEDS

ONLY DIRECT FROM

R. WIBOLTT, Seed Grower,
NAKSKOV, DENMARK.

SPECIALTIES: Cabbage Ball Head and Cauliflower Wibolt's Snowball.
Awarded highest prize St. Petersburg, May, '99.
LILY OF THE VALLEY PIPS.

Please mention the American Florist when writing.



VERBENA KING.

The largest Verbena grower in the world (Bros. & Sisters); we have them, too, the very best mammoth named vars. on earth and sure to please you at the following prices—60c. per 100, $5.00 per 1000; 5000 for $22.00, 10.000 for $40.00. Write for prices on larger lots.

Look here! we pay express charges on all Rooted Cuttings, and beside, we guarantee satisfaction in every shape or manner and we will do it for

THAT CASH, PLEASE.

C. Humfeld, Clay Center, Kans.

Please mention the American Florist when writing.

VIOLET PLANTS.

One of my growers, who has about the finest violets which I have seen this season, wishes to dispose of a lot of **Rooted Runners** and **divided plants** for April delivery.

If you shall be in the market for any, advise me, as I think I can save you some money, and know that only strictly healthy stock will be supplied.

Ask for my Carnation plant list.....

J. B. DEAMUD, 51 Wabash Ave., CHICAGO.

FOR 1900.



FOR 1900.

HIBISCUS PEACHBLOW.

This is one of the finest plant novelties offered in recent years. The flowers are double and from 4 to 5 inches in diameter. Color a clear, rich pink with a small, deep crimson center, an entirely new and most beautiful shade. 2½-inch pot plants, per dozen, $1.50; per 100, $10.00. March.

AGERATUM STELLA GURNEY.

The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen, $1.25; per 100, $8.00. March.

VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN,

in all sizes from

$5.00 per 100, $40.00 per 1000 to

SPECIMEN PLANTS at

75c., $1.00, $2.50, $5.00 and $10.00 each.

Further information cheerfully given.

SATISFACTION GUARANTEED.

EDWIN LONSDALE, Chestnut Hill, PHILA., PA

20 PER CENT DISCOUNT ON ALL STOCK.

For two weeks only.

CYCLAMEN Persicum Splendens Giganteum. a few hundred plants left, in bud from 4 inch pots 1 50 per doz.; $12 00 per 100

NOW READY—Cyclamen P. S. Giganteum, in 4 true colors, twice transplanted from flats, $2 50 per 100; $20 00 per 1000.

CHINESE PRIMROSES. Fringed foliage, finest market varieties from 2½ in. pots, $2 50 per 100; from 3 in. pots strong, well-grown plants, in seven colors, including blue, double white and red, $4 00 per 100; from 4 in. pots $1 per doz : .00 per 100.

PAUL MADER, East Stroudsburg, Pa.

CLEMATIS.

Small, thrifty, dormant plants, in 4 best kinds to pot for spring sales. $1.00 per dozen; $8.00 per 100; freely by mail or express.

F. A. BALLER, Bloomington, Ill.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

C. M. Hobbs, of Albertson & Hobbs, Bridgeport, has been re-elected president of the Indiana Horticultural Society.

GEORGE ELLWANGER, of Ellwanger & Barry, Rochester, recently celebrated the eighty-second anniversary of his birth.

STARK BROS. have a big force at work upon their new nursery seven miles south of Huntsville, Ala., and will be in shape for business there before many weeks.

H. S. TAYLOR & Co., Rochester, write: The opening of the new year finds more activity in the nursery business than ever before. Trade seems to be picking up in all quarters and there is evident prosperity from the way the orders come in and the manner in which various concerns are branching out.

THE act known as the Barlow bill, providing regulations for the importation of nursery stock, which failed of passage in the LVI. Congress, has been reintroduced by Congressman J. W. Wadsworth, of Geneseo, N. Y., at the request of C. L. Watrous, chairman of the committee on legislation of the American Association of Nurserymen. Col. Watrous will call his committee together at Washington late this month to urge its passage.

LYNN, MASS.—The Houghton Horticultural Society held its annual meeting on Monday evening, January 8. It took several ballots to settle the results as to officers, which were finally elected as follows: President, W. B. Allen; first vice-president, William Stone; secretary, R. S. Wood; treasurer, C. W. Emerson. The reports of the officers indicated a prosperous condition. The thirty-fifth anniversary of the society's founding was observed on Wednesday evening, January 10.

FIELD GROWN, OWN ROOT
ROSE BUSHES.
TENDER AND HARDY SORTS.
BOSTON IVY.
Send in your list of wants for pricing.
THE HOWLAND NURSERY COMPANY.,
LOS ANGELES. CAL.

Several thousand strong field grown, 2 year old
ZELIA PRADEL ROSE
plants for sale, $15.00 per 100.
JOHN WOLF, - Savannah, Ga.

AMERICAN ELMS.
8 to 10 feet, 1 to 1¼ inch caliper.
25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.
SEND FOR PRICE LIST.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

CALIFORNIA PRIVET CUTTINGS.
From choice plants, grown at the sea shore, for sale. In view of the immense demand for Privet, nurserymen should increase their stock and all horticulturists should raise some of this favorite hedge plant. Send $1.25 for sample of 1,000 cuttings.
ATLANTIC COAST NURSERIES,
606 Fourth Ave, Asbury Park, N. J.
James H. Cornell, Prop.

CARNATION CUTTINGS.

America	$4 50 per 100.	Victor	$2.50 per 100.
Melba	4.00 " "	Gold Nugget	2.00 " "
Mrs. Bradt	4.00 " "	Jubilee	2.00 " "
Mary Wood	2.50 " "	Daybreak	1.25 " "
White Cloud	2.50 " "	Flora Hill	1.25 " "
Triumph	2.50 " "	L. McGowan	1 00 " "
		Tidal Wave	1.00 " "

5 Per Cent. Discount for Cash.

THE NEW RED CARNATION CATBIRD
As free a bloomer as Tidal Wave. Free from any disease. Good, strong stock from 2-inch pots. $3.50 per 100. $30 00 per 1,000.

Lake Geneva Floral Co.
LAKE GENEVA, WIS.

Bred in Old Kentucky
ROOTED CUTTINGS.

	Per 100	Per 1000
10,000 GERANIUMS, all colors, finest varieties	$1.50	$12.00
SALVIA SPLENDENS	1.00	8.00
HELIOTROPE, 3 varieties	.80	7.00
AGERATUM, blue	.60	5.00
GIANT ALYSSUM	1.00	8.00
LANTANA, 4 varieties, 2-inch pots	2 00	18 00
GERANIUMS, all colors, finest varieties, 2-inch pots	3 00	25.00

Express prepaid on Rooted Cuttings. Satisfaction guaranteed.
C. L. BRUNSON & CO., Paducah, Ky.

JUST OUT!
"Landscape Gardening as Applied to Home Decoration."
BY PROF. SAM'L T. MAYNARD, of the Massachusetts Agricultural College.
354 pages, 155 Illustrations. Invaluable.
$1 50 per Copy.
For Sale by VREDENBURG & CO., Rochester, N. Y.

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Frequent Call Telephone Cards
WITH 1900 CALENDARS.
A new idea in advertising for the Florist. Practical and inexpensive, Samples 10 c. in stamps.
DAN'L B. LONG, Publisher, Buffalo, N. Y.
Please mention the American Florist when writing.

CRIMSON RAMBLER,
Strong plants, 3 to 4 ft. $15 00 per 100
Extra strong plants, 4 to 5 ft. 18 00 "
Acalypha Sanderi, 2½ in., $8 00 per 100.
THE CONARD & JONES CO.
WEST GROVE, PA.

ROOTED CUTTINGS
Verbenas 40 varieties, 60c per 100; $5 00 per 1,000. Petunias, 30 kinds, $1 25 per 100 Heliotrope, 15 kinds, $1 per 100 Coleus, 30 kinds, 70c per 100, $6 00 per 1,000. Ageratums 3 kinds, including Princess Pauline, 70c. per 100 Alyssum, double, $1 per 100 Geraniums from 2 in. pots mixed varieties, strong and healthy, $2 50 per 100 Lantanas, 4 kinds, $1.25 Salvias, 3 kinds, $1 per 100. Express prepaid and satisfaction guaranteed. Cash with orders. No checks accepted. Write
S. D. BRANT, CLAY CENTER, KANS.

Hot-Bed
Sash.
Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.
Quick Shipments.
We have in stock and can ship immediately:

3	ft. x 6 ft., 3 rows	10 in. glass.
3 ft.	3 in. x 6 ft., 4 "	8 in. "
4	ft. x 6 ft., 5 "	8 in. "

Not glazed, 1¾ in. thick.
Delivered Prices
Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.
LOCKLAND LUMBER CO.,
Lockland, Ohio.

THE WABASH R. R. COMPANY
The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.
The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.
Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.
For further information apply to the nearest Railroad Ticket Agent, or to
H. B. McCLELLAN, G. E. A., 387 Broadway, New York City,
J. D. McBEATH, N. E. P. A., 5 State Street, Boston, Mass.
C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

SPECIALTIES IN BEST VARIETIES
ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.

Always mention the American Florist when you order stock.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

"Subject to Change Without Notice"

That is a line you see on every price list, also in every wholesale adv. This line, so simple, still with so much meaning, and with all it is like the weather man, a future forecast, for no dealer or grower of flowers can see to-morrow.

This subject is forced on us in a strange way. Last week Mr. Grant, of the *Review*, and Mr. Howard, of the *Florist*, and Mr. Sanders, of the *Exchange*, came to our store, as we suppose they go to all others, and asked our view of the week's trade just past and what we thought the price would be for the week to come.

Our answer was, see our adv. Now that goes to show what we thought at the time, and said so.

But so far as our guess was, it only lasted the remaiuing part of the week, and we did uot think at the time that the different papers did not appear to the reader till the end of the week; and unless Uncle Sam was prompt, some did not get their paper till Monday, and by Monday all had changed, for Saturday afternoon local trade got brisk and cleaned up the market and the dull weather made stock very scarce on short notice, and we, in this case, had to fall back on the opening line.

With these few remarks we want to say that this proves what we have ALWAYS CLAIMED, give the COUNTRY BUYER the CHICAGO MARKET PRICE at the time of shipment. It WE can't fill your order it is not to be had.

Yours Respectfully,
KENNICOTT BROS. CO.,
42-44 East Randolph St., Chicago, Ill.

Address all mail or telegrams direct to the firm to insure promptness.

...OUR...

"Wire Work"

like our Flowers, always a little better and always a little cheaper than elsewhere. Special Discount

"SALE"

now on. **Write for Special Quotations.**

KENNICOTT BROS. CO.,

Wholesale Commission Florists

And Dealers in All Kinds of

FLORISTS' SUPPLIES,

42 and 44 E. Randolph St.,

CHICAGO, ILL.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY					
30-36 in. stem			per doz.,	$7.00	
24	"		"	5.00	
20	"		"	3.50	
15	"		"	2.50	
12	"		"	1.50	
8	"		"	1.00	

METEOR	per 100	$5.00	to 10.00
BRIDESMAID	"	6.00	to 8.00
BRIDE	"	6.00	to 8.00
PERLE	"	4.00	to 6.00
CARNATIONS	"	2.00	to 3.00
" Fancy	"	4.00	

Quotations subject to change without notice. All other stock at lowest market prices.

GIVE US LIBERTY

Will be the cry when the plants are all sold.

Our stock of **LIBERTY**, the greatest crimson scarlet Rose ever introduced, **IS ALL SOLD FOR MARCH DELIVERY.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock, should order at once.

OWN ROOT PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 30 cts. each
100 plants and up to 1000, 25 cts. each
1000 plants and over, $200 per 1000
3-inch pot plants, 5c each additional.

GRAFTED PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 50 cts. each
100 plants and up to 1000, 40 cts. each
1000 plants or more, $350 per 1000
3-inch pot plants, 5c each additional.

ROBERT SCOTT & SON, Sharon Hill, Delaware Co., Pa.

Eastern Agents, ROBT. CRAIG & SON, 49th & Market Sts., Philadelphia, Pa.

Western Agents, BASSETT & WASHBURN, 76-78 Wabash Ave., Chicago, Ill.

Please mention the American Florist when writing.

100,000 R. C....

CARNATIONS, Ready.

	Per 100
Mrs. Thos. W. Lawson, pink	$14.00
Ethel Crocker, "	10.00
Olympia, variegated	12 00
The Marquis, pink	10.00
Genevi-ve Lord, pink	10.00
G. H. Crane, scarlet	4 50
America, scarlet	4.00
Melba, light pink	3.50
Mrs. Geo. M. Bradt, variegated	3 00
Glacier, white	4.00
Maud Adams, dark pink	3.50
Gomez, dark red	4.00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3 00
Argyle, pink	1 25
Triumph, "	1.50
Daybreak, shell pink	1.00
Empress, dark red	1 00
Flora Hill, white	1.50
White Cloud, "	2 50
Mary Wood, fine white	3.00
Jubilee, scarlet	1.50
Psyche, variegated	1.50
Morello, dark scarlet	1.50
Wm. Scott, pink	1.00
Lizzie McGowan	1.00

5 cuttings at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

Carnation Cuttings

GENESEE.

The Best Commercial White to Date.
$3.00 per 100; $25.00 per 1000.

JOHN VAN DER WAL,
1730 W. 107th St., Station 48, CHICAGO, ILL.

Carnation Cuttings.

Well-rooted Cuttings of New and Standard Varieties. Stock guaranteed. Write for Prices.

PETER REINBERG

51 Wabash Ave., CHICAGO.

Carnations, ROOTED CUTTINGS

Healthy, strong plants, Crown cool, first crop from new house.

	Per 100.	Per 1,000.
Flora Hill	$1.25	$12.00
Freedom	1.00	9.00
Daybreak	1.00	9.00
Wm. Scott, ex. good	1.00	8.00
Mrs. Fisher, ex. good and clean	90	7.00

Chrysanthemums, all the best commercial and exhibition varieties in large quantities. Write for price. Cash from unknown parties. Address

J. W. HOWARD, Russell St., Woburn, Mass.

CARNATION CUTTINGS.

We are booking orders for

LAWSON, OLYMPIA, MARQUIS, ETHEL CROCKER AND GENEVIEVE LORD

at introducers' prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY, Sta. F, Cincinnati, O.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

DURING the recent congress of bowlers at Baltimore the secretary presented a report giving statistics which he had collected regarding bowling in the United States. He said that he had located east of Salt Lake and not including New York City 8,200 buildings used in the game making a total of 24,600 alleys valued at $6,150,000. The salaries paid amount to $600,000 and the investment in the plants $2,500,000.

At Chicago.

One evening last week a Florists' Club team went to Argyle Park to afford practice for a team which has won some fame captained by George Stollery. Here is the score:

STOLLERY'S BEAUTIES.				THE POSIES.			
Players.	1st	2d	3d	Players.	1st	2d	3d
G. Stollery	178	190	160	Asmus	149	182	143
M. Guirth	160	132	154	Degnan	175	138	185
F. Stollery	129	153	147	Wintersom	131	157	128
H. Unger	174	174	168	Bulluff	142	158	115
M. Johnson	159	167	202	Coulson	195	166	176
Totals	800	816	828	Totals	783	801	747

At New York.

Last Monday evening found the usual party of jolly bowlers at the alleys, and scores were recorded as follows:

Player	1st.	2d	3d
Siebrecht	158	159	126
Bartholomæ	133	109	116
Burns	148	122	168
Tracedly	116	152	228
Lang	175	156	188
Hafner	125	137	115
Shaw	121	114	99
Taylor		97	
Donlan	127	99	128
Stewart		119	
Luscher	114	137	
Moody	119	150	

At Philadelphia.

The balls and pins are flying at a great rate on the alleys of late, the interest turning to match games, of which there have been several during the past two weeks. The "seconds" have been defeated on the home alleys, an unpardonable offence, and by the same team on their alleys. They now feel, as one of them puts it, like "two cents." The "firsts" have done better, however, defeating one of the strongest teams in the city on the home alleys, but by a close margin, and then doing the trick again on their own play ground. It was a great victory as they, the "Young Mænnerchor" have only lost on their own alleys twice before since the club was organized ten years ago. The score follows:

FLORISTS.

Player	1st	2d	3d	Av
Brown	179	149	153	160
Moss	154	152	170	159
Connor	168	174	124	155
Johnson	153	139	152	148
Hamilton	150	141	167	143
Walker	131	111	97	113
Total	935	834	863	

YOUNG MENNERCHOR.

Player	1st	2d	3d	Av
Peterson	168	124	168	153
Sopp	146	167	145	153
Moore	145	133	162	147
Belfield	143	138	158	146
Krug	131	120	167	142
Abraham	125	163	109	132
Total	858	854	909	

K.

Dormant Roses

For Potting Up Now, For Easter Flowering.

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes } 100, 20.00
2 year old Budded stock, 3 ft. canes Doz., $2.00 100, $15.00

American Beauty 2 year budded.....100, $15.00
Kaiserin A. Victoria, 2 year budded.... " 15.00
Mad. Caroline Testout, 2 year budded... " 15.00

Hermosa, extra strong Holland grown
2 year Own roots. 100, $13.00
Hermosa, Own roots French grown..... " 8.00
Clothilde Soupert, 2 year field grown ... " 10.00

ALL ON OWN ROOTS, AT $13 00 PER 100:

Gen. Jack. John Hopper. Baron Bonstettin. Paul Neyron.
Coquette des Alps. Mad. G. Luizet. Anna de Diesbach. Magna Charta.
Ulrich Brunner. Prince C. de Rohan.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild. Mad. G. Luizet. Malmaison. La France.
Gloire Lyonnaise. Mrs. John Laing. Fisher Holmes. Coquette des Alps.
Marie Bauman. Prince C. de Rohan. John Hopper. Giant of Battles.
Paul Neyron. Capt. Christy. Mad. Chas. Wood. Gen. Washington.
Boule de Neige. Anna de Diesbach. Perle des Blanches. Mabel Morrison.
Baron Bonstettin. Magna Charta. Gen. Jack. Marshall P. Wilder.
Ulrich Brunner.

RHODODENDRONS. For Easter forcing. Extra large plants 12 to 20 buds, John Walters, Kate Walters, Mad. Cravalho and Prince C. de Rohan, Each, $1.25. doz., $12.00.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

Commercial Violet Culture

BY PROF. B. T. GALLOWAY,

Chief, Division of Vegetable Physiology and Pathology, U. S. Department of Agriculture, Washington, D. C.

This work is thoroughly practical and discusses fully: Varieties and their Origin; Localities where the Crop is likely to Prove Profitable; Requirements for Success; Construction of Houses and Frames; Heating Houses and Frames; Soils and their Preparation; Manures and Fertilizers; Propagation, Selection, Planting, Watering, Cleaning and Feeding; Picking, Bunching and Marketing; Diseases and their Treatment; Insect Enemies and Methods of Combating them; Cost of Producing the Crop, Profits, etc.

Superbly illustrated with upward of 60 plates, plans, diagrams, etc., including Working Drawings of Model Violet Houses; Plans for Complete Heating Systems; Photographs Showing Methods of Handling Soil, Preparing the Beds, Bunching the Flowers, Packing for Shipment, etc. Numerous illustrations showing the characters of the more important diseases are also given. PRICE POSTPAID, $1 50. Bound in Flexible Covers of Royal Purple Cloth and Gold; 224 Pages; Small Octavo. Prospectus free.

BEST METHOD OF HEATING GREENHOUSES. A collection of thirteen leading essays, selected from a large number submitted in competition. Each essay is accompanied by diagrams illustrating the system advocated. Price Postpaid, 10c. New catalogue of trade books just issued.

For Sale by THE FLORISTS' EXCHANGE, 6 and 8 Duane St., New York.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety). In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With 18 000 stock plants to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES, good little plants, at 75 cts. per 100; $4.00 per 1000.
Price list of standard vars. ready now.

ALBERT M. HERR, Lancaster, Pa.

WE ARE HEADQUARTERS
for all the best Novelties of the season in
Chrysanthemums, Carnations and Geraniums.
NATHAN SMITH & SON, Adrian, Mich.

Carnations. ROOTED CUTTINGS
SEND FOR PRICES.
ALL THE NEW AND STANDARD VARIETIES.
Geo. Hancock & Son, Grand Haven, Mich

American Florist Advts.
Reach all the Trade.

Manetti
Only sound and good stock will be sent out.
For Grafting Tea Roses.
Be quick before being sold out.
$12 PER 1000.

ENGLISH IVY. Young plants 2-3 ft., 1 to 3 shoots. Just the thing for spring planting. $4 per 100, $35 per 1000.

Bobbink & Atkins,
....RUTHERFORD, N. J.
NURSERY AND STORAGE CELLAR AT Carlton Hill, N. J.

PLEASE MENTION US TO OUR ADVERTISERS.



Heacock's Specimen Palms.

How is your stock of Arecas; does it not need replenishing? I have to offer in assorted sizes the most perfect and symmetrical plants of

Areca Lutescens

Ever seen anywhere. They have never received a check from the seed pan to the present time, and are entirely free of insects or blemishes of any kind. The foliage presents that broad, heavy "Kentia like" appearance showing the vigor and strength of the plants. They are beautiful from all sides and from the pot up, having an abundance of lower leaves, there being at all times plenty of table room to encourage the bottom growth.

I offer the choice of this stock at the following prices:

15 inch pots,	7 to 8 feet high,	very bushy	= $25.00
14 "	6 " 7 "	" " "	= 20.00
12 "	bushy, 6 feet high	= =	$10 to $15.00
9 "	" 5 " "	= = =	5.00

This is my first offering of Arecas since last Spring. Great attention has been given to the stock so that it will stand well with the decorator. If you need palms at all you need some of this stock. Each plant is a decoration in itself. They are easily worth their cost, if only for the added attractiveness they will give to your store. The packing is done with the greatest care and shipping facilities with express and freight are such that orders can be forwarded with great promptness and dispatch.

JOSEPH HEACOCK,

.....Wyncote, Pa.

Buffalo.

TRADE THE SAME.—BUFFALO FLORISTS' CLUB MEETS.—VIOLETS, ROSES AND CARNATIONS.—VISITORS.

Trade remains about the same, enlivened by the occasional funeral order. Flowers quite plentiful especially violets, which are selling at all prices. Roses are still in fair supply. Pretty primrose plants at Scott's and Adams, are having a good sale. Palmer, Rebstock and Anderson are putting in very attractive windows.

W. J. Palmer, Sr., of Buffalo, and W. N. Rudd ,of Chicago, journeyed to New York Monday.

Harry Balsley has been with us again and will be here in February, where he will irrigate either the florists or their plants, possibly the latter.

W. C. Stroh, of Attica, is sending in some fine violets. C. T. Guenther, of Hamburgh, N. Y., our rose grower, is sending in some excellent maids, all are seen at W. F. Kastings. J. Bernhardt Wiese, of the Chippewa market, is having a big run on carnations at his stand.

Palmer & Son and The White Evans Penfold Co., who have space in their store, have issued a very artistic calendar of a poinsettia designed by D. B. Long. It is his best design so far.

W. A.

GENEVIEVE LORD, ETHEL CROCKER, OLYMPIA, THE MARQUIS,

$10 per 100, $75 per 1000.

MRS. THOS. LAWSON $14.00 per 100

	Per 100	Per 1000
AMERICA	$5.00	$40.00
G. H. CRANE	6 00	50.00
JUBILEE	2.00	15 00
WHITE CLOUD	3.50	30.00
FLORA HILL	1.50	10 00
JOHN YOUNG	2.00	15.00
ARGYLE	2 00	15.00
MRS. JOOST	2.50	20.00
DAYBREAK	1.50	15.00
VICTOR	1.50	12.50
SCOTT		10.00
BRADT	5 00	40.00
ARMAZINDY	1.50	10.00

Grafted Roses, $10 per 100. $60 per 1000.

THE EARLIEST

Yellow Chrysanthemum

YELLOW FITZWYGRAM,

$7.00 per 100. $60.00 per 1000.

H. F. LITTLEFIELD,

WORCESTER. MASS.

CHICAGO CARNATION CO.,

The Great and Only Carnation Specialists

CUTTINGS NOW READY.

	Per Doz.	Per 100	Per 1000.	Blooms.
Genevieve Lord, the peer of any light pink carnation ever offered	$2.00	$10.00	$75.00	5c each.
Chicago, scarlet Bradt	1.50	7.50	60.00	5c "
Mrs. Lawson, cerise pink	3.00	14.00	120.00	
Olympia, variegated	2.00	12 00	100.00	
Ethel Crocker, pink	1.50	10.00	75.00	

	Per 100	Per 1000	Blooms
Frances Joost, pink	$2.50	$20.00	3c each
Mrs. Jas. Dean, pink	2.50	20.00	5c "
John Young, white	2.50	20.00	4c "
White Cloud, white	1.00	30.00	5c "
Mrs Bradt, variegated	5.00	40 00	4c & 5c
Gen. Maceo, crimson	6 00	50.00	5c "
Gen. Gomez, crimson	6.00	50.00	5c "
G. H. Crane, scarlet	6 00	50.00	5c "
Gold Nugget, yellow	2.50	20.00	5c "

	Per 100	Per 1000	Blooms
Argyle, carmine	$2.50	$20.00	4c each
Jubilee, scarlet	2.00	15.00	4c "
Armazindy, variegated	2.00	15.00	2c "
Evelina, white	2.00	15.00	2c "
New York deep pink	2.00	15.00	2c "
Wm. Scott, pink	2.00	15.00	2c "
Victor, pink	2.00	15.00	2c "
Daybreak, light pink	2.00	15.00	2c "
Flora Hill, white	2.00	15.00	4c "

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
MRS. BRADT	3.00	
WHITE CLOUD	2.50	$20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2 50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	3.00	15 00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1 25	10.00

	Per 100	Per 1000
DAYBREAK	$1.25	$10 00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1 00	7.50
EVELINA	1 00	7.50
MAYOR PINGREE	1.00	7.50
PAINTED LADY	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12 50

	Per 100	Per 1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

CARNATION CUTTINGS.

All leading varieties, now ready.
Send for list.

HOLTON & HUNKEL CO., Wholesale Florists, **Milwaukee, Wis.**

20,000 Carnation Cuttings
—OF—
WILLIAM SCOTT

Must be sold this week, $6.00 per 1,000, $20.00 per 4,000

White Cloud, Mrs. Joost, $2.50 per 100, $20 per 1,000
Mrs. Bradt and Melba.... 4.00 " " 30 " "
Victor, Daybreak..... 1.25 " " 10 " "
Pingree..... 1.00 " " 7 " "

Cash With Order.

CARL E. TAUBE,
TRENTON, N. J.

Please mention the American Florist when writing.

FIRST LOT OF 2-INCH ROSES Ready Jan. 15th.

ROOTED CUTTINGS now ready. Write for prices. Also ask for prices of

CUT ROSES, CARNATIONS and Bulb Stock.

GEO. A. KUHL, Pekin, Ill.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

FOR PRESENT SOWING.

Choicest Strains for Florists' Use, and of New Crop.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE. which is better now than ever. Trade pkt, 50c.; ½ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ½ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14.00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

PANSY, CHICAGO PARKS MIXTURE, trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, Snowball and Longfellow. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trade pkt., 10c; oz., 40c.

" **CANDIDISSIMA.** 1000 seeds, 25c.; oz., $1.

DRACAENA INDIVISA. Oz., 30c.; lb., $2.50.

FERN SEEDS. Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trade, pkt., 25c; ⅛ oz., 35c.

KENILWORTH IVY. Trade, pkt, 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.: ¼ oz., 25c.

LOBEL'A CRYSTAL PALACE COMPACTA. Trade pkt., 25c.: ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

LOBELIA, SUTTON'S GEM. White, pink or blue. Each, trade. pkt., 20c.

LOBELIA, White Lady; dwarf white. Pkt., 15c.

MIGNONETTE MACHET. true. Pkt., 10c.; oz., 40c.

" Bismarck, new, an improved Machet. Pkt., 15c.; ¼ oz., 30c.

PETUNIA HYB., B. OTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixtnre of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE, mixed, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE, each, 250 seeds, 50c.

PRIMULA FORBESI, "Baby Primrose," 500 seeds, 25c.

" " **COMPACTA,** new, 500 seeds, 35c.

SALVIA SPLENDENS, Clara Bedman. Pkt. 25c.

" " Drooping spikes. ¼ oz., 25c.

" " New crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA and **ROSEA,** each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz., 30c; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura, and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE, contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ½ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent on orders for flower seeds for $2.00 and over for cash with order.

For other seeds, send for our complete Flower Seed List.

New York. **VAUGHAN'S SEED STORE.** Chicago.

October Potted Plants.

		Per 100
10000	**Chinese Primulas,** fine	2½-in., $1.50
40000	**Allernantheras,** 4 varieties	" 2.00
5000	**Feverlew Little Gem**	" 2.00
2000	" yellow foliage	" 2.00
10000	**Coleus,** 15 varieties, fine	" 1.50
10000	**B·gonias,** 15 " "	" 2.00
2000	**Forget-Me-Not,** winter bloomer	" 2.00
2000	**Obconica,** extra strong	" 2.00
2000	" "	3½-in., 3.00
2000	**Iresines,** red. "	2½-in., 2.00
1000	**Mesembryanthemum Erecium**	" 2.00
1000	**California Moss**	" 2.00

5 plants at 100 rates.

CASH. We have only what is in this ad. for sale.

W. H. MURPHEY Minooka, Ill.

Michell's "Fresh Tested" Seeds Phila.

IF YOU TRY

Michell's SEEDS and BULBS

You will have no disappointments.

FRESH TESTED FLOWER SEEDS.

	Trade Pkt,	Per Oz
Asparagus Plumosus Nanus, home grown will germinate quickly, $1.00 per 100; $9 00 per 1000 seeds, (This is one of the best sellers in the trade).		
Asparagus Sprengerii new crop 75c per 100 seeds; $6 00 per 1000 seeds.		
Alyssum, Little Gem (true)	.15	$ 30
Aster, Semples (true) pink	.30	1 50
" " " blue	.30	1 50
" " " lavender	.30	1 50
" " " red	.30	1.50
" " " mixed	.30	1.25
Asters, also Truffants, Queen of the Market, Victoria and Comet		
Begonia Dwarf Vernon (choice)	.30	
Browallia Speciosa Major (new)	.25	
Calendula Prince of Orange	.10	.20
Centaurea Gymnocarpa	.20	.50
" Candidissima	.30	1.25
" Imperialis, new	.25	1 25
Cobea Scandens (¼ lb $1)	.15	.40
Cosmos Grandi., dwarf early mixed	.25	1.00
" " pink	.15	.50
" " red	.15	.50
" " white	.15	.50
" " mixed	.15	.50
Fern seed all the best sorts. List will be mailed on application	.30	
Golden Feather (Pyrethrum aur.)	.10	.40
Moon Flowers (true) (¼ lb. $1 50)	.15	.45
Kenilworth Ivy	.15	1.25
Lobella C. Pal. (trailing)	.20	.75
" Compacta	.30	2 00
Also all other varieties.		
Marigold, dwarf French best	.10	.20
Mignonette Machet	.15	.50
" Allen's Defiance	.25	1.00
Nasturtiums, dwarf mixed (¼ lb. 25c)		.10
" tall mixed (¼ lb. 25c)		.10
Also all separate colors		
Petunia Grandiflora mixed, extra	.50	5 00
" Dwarf compact, mixed	.50	2 00
" Fine mixed striped	.20	.75
" Double hybridized (choicest)	.70	
Phlox, Dram. Compacta mixed	.50	2.00
" Grandiflora mixed	.15	.50
Also all other varieties.		
Salvia, (sca. 1:t Sage)	.25	1.25
" Clara Bedman (dwarf)	.40	3.50
Smilax, (just received) ($4 per lb.)	.15	.35
Stock Ten Week, blood red	.50	2 50
" " pure white	.50	2 50
" " rose	.50	2 50
" Snowflake, snow white	.50	8 00
" Cut and Come Again, white	.50	3 00
" Mixed, double all colors	.50	2.00
Half trade packets of the above 30c each. Oz. Lb.		
Sweet Peas, Ex. Early Blanche Ferry	. 5	$.50
" Blanche Ferry	. 5	.40
" Blanche Burpee, large white	.10	.60
" Mars, rich red	.10	.60
" Countesse of Radnor, lav'd.	. 5	.50
" Eckford's choicest mixed (5 pounds $1.50)	. 5	.40
All other varieties	Trade Pkt.	Oz.
Forenia Fourlerl, blue	.30	$3.00
Verbena, Mammoth White	.30	1 50
" " Pink	.30	1.50
" " Scarlet	.30	1.50
" " Blue	.30	1.50
" " Mixed	.30	1.50
Vinca, mixed choice	.25	.75
" separate colors	.25	.75

BULBS FOR PRESENT PLANTING.

	Per 100.	Per 1000
Begonias, Tuberous Rooted mixed colors, extra fine large bulbs	$ 2 50	$22.50
Begonias, separate colors, extra fine large bulbs	2.75	25 00
Begonias, double mixed colors	7 00	67.50
Begonias, seperate colors	7 50	72 50

CANNA ROOTS grown for us by specialists in very large quantities, enabling us to make **special low prices** for immediate planting. The roots are strong, true to name, and have not less than two eyes to each root. We advise planting at once to secure a good stock for Spring Trade. 25 and over at 100 rate; 250 and over at 1000 rate.

	Doz	100.	1000
Alphonse Bonvier, crimson flower green foliage	$.50	$3.00	$25 00
Alsace, creamy white foliage green	.85	6.00	50.00
Austria, very large yellow, remarkably strong green foliage	.60	4.00	35 00
Burbank, new, canary-yellow, green foliage	.60	4.00	35 00
Chas. Henderson, bright crimson, foliage green	.50	3.00	25 00
Chicago, brilliant scarlet	.60	4.00	35 00
Columbia, cardinal red	.75	5.00	40.00
Egandale, 3 to 4 ft. Cherry red, bronze foliage	.50	3 50	30 00
Eldorado, finest yellow, for massing	.60	3.50	30 00
Flamingo, new crimson-scarlet	.85	5 00	45 00
Florence Vaughan, yellow, spotted with crimson: very effective	.50	3 00	25.00
Italia golden yellow, marked with scarlet, new	.60	4.00	35.00
J. D. Cabos, 4 to 4½ ft. Flowers light orange, foliage rich bronze	.50	3.00	25.00
Mme Crozy, Bright scarlet, bordered with yellow	.50	3 00	25.00
Papa, 2½ to 3 ft. Pure red flower, light green foliage	.60	4.00	30.00
Souv. Du President Carnot, 3 to 3½ ft. Cherry red flowers, deep, purplish bronze foliage	.50	3.50	30.00
President McKinley, 3 to 3½ ft. Brilliant crimson flower, green foliage	1.00	7.50	65.00
Philadelphia, scarlet crimson, green foliage	1.50	10.00	90.00
Queen Charlotte, large scarlet, with deep golden border, 3 to 3½ feet	.50	3.50	30.00
Mixed. All French varieties	.40	2.75	22 50
Robusta Perfecta. Tall growing, very dark foliage for centers of beds	.40	3.00	25.00

CLOXINIA BULBS, (Extra Large). Choicest mixed 60c per doz $4.00 per 100 Separate colors 70c per doz: $1 50 per 100.

TUBEROSE BULBS. PEARL, extra fine large bulbs, $1.00 per 100; $7.50 per 1000.

CLADIOLUS BULBS.

	100.	1000
Choicest mixed (35 light colors)	$1 25	$10.00
Light and white shades	2.00	18 00
Yellow shades	2.00	18.00
Scarlet and Crimson shades	1 25	10 00
Pink shades	1.50	12 50

P. S.—We guarantee satisfaction in all purchases from us.

Send for our complete wholesale catalogue containing everything for the florist and market gardeners.

HENRY F. MICHELL,

Henry F. Michell,
Fred. J. Michell,

1018 Market St., PHILADELPHIA, PA.

ELM CITY

A GRAND NEW WHITE *Carnation.*

Seedling of Lizzie McGowan and Mme. Diaz Albertini in its fifth year. The flowers are large, fine shaped, and of strong fragrance. Petals are heavy, of good substance and nicely fringed. Calyx is very strong after the style of Mme. Albertini and none bursting, the stem strong, holding the flower erect. The plant is a good grower and free bloomer, not subject to stem rot or any disease. Rooted cuttings ready February 1 at

$1.50 per Doz. $10.00 per Hundred. $70 00 per Thousand.

Cash with order. We shall prepay express charges where money accompanies the order. Orders filled in rotation.

M. E. KRAUS, 320 Davenport Avenue, NEW HAVEN, CONN.

Helpful Reminders.

Your hydrangeas should he on a bench in a cool house to start growth slowly, after which some of them may be moved into warmer quarters for Easter forcing if desired. Dormant stock should not be given heat until considerable foliage is developed, which, in turn, comes with the development of new roots.

The Crimson Rambler rose must be started along now to be ready for Easter. If you grew your plants in pots over summer, as has been recommended, bring them on slowly until the foliage is out and raise the temperature in February, when sunlight is more plentiful. If you wish to use field-grown stock there is not a moment to spare, because the roots are sure to be in a less satisfactory condition and require more time. Although I consider own-rooted plants best for garden planting, recent observations convince me that budded plants have the largest number of fiber roots and therefore will more readily start and maintain an early growth.

If you wish to grow your own stock of cyclamens for next winter, the seed should be sown now.

All stock plants of geraniums should have full light now to develop foliage for last cuttings, which should not be taken much later than February 1.

For general purposes a few pots of Spiræa Van Houtte and S. Anthony Waterer, Deutzia gracilis or D. Lemoinei are valuable. C. B. W.

...SPECIAL..

ROOTED CUTTINGS.

Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000.

50,000 Verbenas, 20th Century collection. 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to date, 60c per 100; $5.00 per 1000. Strong, 2-in., $2.00 per 100; $18.00 per 1000; full of Cuttings elegant stuff.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

20,000 Geraniums, embracing our entire superb collection. $1.50 per 100; $15.00 per 1000; large, fine Cuttings of uniform size. 5000 2½ inch Paul Bruant, the best scarlet, and S. A. Nutt, the best crimson, $2.50 per 100. New Giant California White Marguerite and New Golden, both sell at sight, $1.00 per 100. Strong, 2½-inch, $2.50 per 100.

Ageratum, Princess Pauline, the only one to grow. $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.50 per 100.

Fuchsias, best sorts, $1.50 per 100. Vinca Major, $1.00 per 100.

Smilax, strong, 2½-inch, $1.50 per 100, 2-inch, $1.00 per 100. Seedlings, big bushy plants, fit to plant right out, 50c per 100; $4.00 per 1000, delivered.

500 Roses, 2 year-old, Brides and Maids, fine for the south, $5.00 per 100 (half value).

Our wholesale descriptive list of Specialties mailed on application. Cash must accompany all others. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.

CARNATIONS.

Mrs. Thos. W. Law-		Gomez, dark red	$ 4 00
son, pink	$14.00	Mrs. F. Joost, pink	2 50
Ethel Crocker, pink	10 00	Triumph, fine pink	1 50
The Marquis pink	10 00	Daybreak shell pk	1 00
Genevieve Lord, pink	10 00	Flora Hill, white	2 00
Olympia, variegated	10.00	White Cloud	3 50
G. H. Crane, scarlet	5.00	Mary Wood, fine	
America, scarlet	4 00	white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs G. Bradt, var.	4 00	Wm. Scott, pink	1 00
Glacier, white, fine	4 00	Lizzie McGowan	1 00
Gen. Gomez, bet crimson			$5.00 per 100
Mrs Jas Dean, fine pink			3 00 per 100

Nephrolepis, Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12 00 per doz.

Cash, please. CARL HAGENBURGER.

We've thousands of readers and hundreds of advertisers. Each helps the other.

CARNATIONS

LARGE STOCK OF STRONG ROOTED CUTTINGS NOW READY

G. H. Crane, Morning Glory, Maceo, Glacier, Gomez, America, Red Mrs. Bradt (or Chicago), Mary Wood and other good standard sorts. Mrs. Geo. M. Bradt for March delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

Mrs. Thos. Lawson, Ethel Crocker, The Marquis, Olympia, and Genevieve Lord. At introductory prices.

We make a specialty of rooted cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. Dorner & Sons Co.,

LAFAYETTE, IND.

Please mention the American Florist when writing.



PERU

A New Pure Glistening White

CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

BASSETT & WASHBURN

76 AND 78 WABASH AVE., CHICAGO, ILL.

Rooted Rose Cuttings Get new blood in your Roses and secure what you want from grafted stock. Our Cuttiogs this year are made from grafted plants, and none but the best wood will be used. Our prices the same as others. BRIDES, BRIDESMAIDS, METEORS, $1.50 per 100.

ROOTED CUTTINGS FROM SELECTED STOCK.

Carnations.

	Per 100.	Per 1,000.
WHITE.		
Flora Hill	$1.50	$10.00
Mary Wood	2.50	20.00
White Cloud	2.50	20.00
PINK.		
Frances Joost	2.50	20.00
Wm. Scott	1.50	20.00
Daybreak	1.50	10.00
DEEP PINK.		
Leslie Paul	5.00	45.00
Cerise Queen	2.50	20.00
Painted Lady	1.50	12.50
STRIPED WHITE WITH RED.		
Mrs. Bradt	5.00	40.00
Psyche	1.50	10.00
Armazindy	1.50	10.00
YELLOW.		
Gold Nugget	$ 2.50	$20.00
RED.		
Red Mrs. Bradt	10.00	75.00
Jubilee	2.00	15.00
America	5.00	45.00
G. H. Crane	5.00	45.00
MAROON.		
Empress	2.50	20.00

	Per 100.	Per Doz.
NEW VARIETIES.		
Olympia	$12.00	$2.00
The Marquis	10.00	2.00
Mrs. Lawson	14.00	3.00
Ethel Crocker	10.00	2.00

The Grand New Rose "Liberty."

We are the Western agents for Robert Scott & Son, part owners of this elegant Red Rose.

OWN ROOTED STOCK IN 2½ IN. POTS.	GRAFTED PLANTS IN 2½ IN. POTS.
12 plants.....60 cts. each.	12 plants.....75 cts. each.
25 plants.....50 " "	25 plants.....60 " "
50 plants.....30 " "	50 plants.....50 " "
100 plants.....25 " "	100 plants.....40 " "
1,000 plants.....20 " "	1,000 plants.....35 " "

BASSETT & WASHBURN,

GREENHOUSES, HINSDALE, ILL. 76 and 78 Wabash Ave., Chicago, Ill.

GENEVIEVE LORD.

THE peer of any light pink Carnation ever offered to the trade. A commercial triumph. Its beautiful color, large size and its matchless length and stiffness of stem make it, beyond a doubt, the queen of its class. There is nothing like it. We offer it to the commercial grower as a money getter of the first magnitude.

As an exhibition flower, it ranks high. It will take care of itself in its class. It has carried off the highest honors wherever shown. The blooms are now being sold in the most critical market and bringing highest prices. It will not be over-propagated. Our book will close as soon as the limit is reached. Order early and be sure.

$75.00 per 1000, $10.00 per 100, $2.00 per doz. Delivery Feb. 15th.

Send for complete description of above. Also MRS. THOS. W. LAWSON, OLYMPIA, THE MARQUIS and ETHEL CROCKER, at introducers' prices.

H. Weber & Sons, OAKLAND, MD.

ROOTED CUTTINGS, CARNATIONS.

All the new and standard varieties. We also have several thousand mixed varieties, well rooted, which we will sell cheap. Write us for prices.

LAKEVIEW ROSE GARDENS, Wholesale Cut Flowers, JAMESTOWN, N. Y.

Please mention the American Florist when writing.

LIBERTY. LIBERTY. LIBERTY.

AM all sold out of grafted stock; only a few own rooted plants left to sell for April and later delivery. Order quickly if you want any for this season's planting.

All orders filled strictly in rotation. Deposit or reference from all unknown correspondents.

PRICES FOR PLANTS OUT OF 2½-IN. POTS:

12 plants	$0.60 each
25 "	.50 "
50 "	.30 "
100 "	.25 "
1000 "	.20 "

ERNST G. ASMUS, West Hoboken, N. J.

AGENTS— VAUGHAN'S SEED STORE, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO., Tarrytown, N. Y.

Please mention the American Florist when writing.

Peoria, Ill.

J. C. Murray is planing to build two rose houses, 20x100, the coming spring. His violets are said to be in magnificent crop, roses off, and carnations fine.

Cole Bros. will build a large asparagus house in early summer. Their carnations are exceptionally good and their Beauties promise a very large crop.

Funeral work has quickened the demand for flowers. PEORIAN.

WEST HINGHAM, MASS.—B. F. Lincoln, the introducer of the Hersey strawberry, died on the morning of January 9th.

DU QUOIN, ILL.—F. W. Gross reports that 1899 was a good year for him and that 1900 has even better prospects.

FARMINGTON, CONN.—Hugh Cehesney is receiving large orders for English violets and other flowers, from New Haven for the Yale Junior Promenade week.

MACOMB, ILL.—G. W. Philcox has leased the greenhouses formerly conducted by F. A. Thornton. Mr. Philcox has been employed by I. L. Pillsbury, at Galesburg, and Mr. Pillsbury owns the establishment here.

ROBT. CRAIG & SON

Roses, Palms

and Novelties in Decorative Plants.

Market and 49th Street, PHILADELPHIA PA.

HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

Southern Wild Smilax,

35 lb. Cases, $2.00; 50 lb. Cases, 2.50.

Red Berry or Ilex Cassine,

30 lb. Cases, $2.00; 45 lb. Cases, $2.50.

My stock is first class, carefully selected Full cases. Orders by telegram filled same day received.

TERMS: Cash with order or satisfactory reference.

J. R. McCREARY, "The Forester,"

CORDON, ALA.

Orchids. Orchids.

F. SANDER & CO.

Have the finest and largest stock in the world.

St. Albans, England, & Bruges, Belgium.

Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.

CINERARIAS!

from Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants—2½ in., $2.00 per 100; $5.00 per 300; 3 in., $3.00 per 100; large plants, 4 in., $1.00 per doz.

SHELLROAD GREENHOUSE CO.,

....Crange P. O., Baltimore, Md.

NAMED VARIETIES OF GERANIUMS	Per 100
S. A. Nutt, J. Y. Markland and La Favorite, (from flats)	$2.00
4 inch pot Vinca Vines	6.00
3 " " " "	4.00
Rooted Cuttings Vinca Vines (from flats)	1.50
3 inch pot Primroses, in bud and bloom, ready to repot	4.00
2 inch pot Primroses, in bud and bloom, ready to repot	2.00
2 inch pot Smilax plants	2.00

Cash with order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.



3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."

IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other. Large clumps, ready to divide, $5 per 100 or 25 for $1.50 by express. Smaller ones by mail prepaid, same price. A few hundred EXTRA LARGE CLUMPS, $10 per 100, $1.50 for 12.

ASPARAGUS SPRENGERI 2½-inch, fine, $4.00 per 100; 3½-inch $7.00 per 100.

A BARGAIN. Fine 6-inch pots, will give lots of green, 25 for $5.00; 12 for $2.50.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

THE LACE FERN, POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

THE ORANGE VIOLET. (Browaliia Jamesoni). Fine plants 3½-inch pots $1.25 per 12, express.

THE GENUINE EDELWEISS OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. 10 for $1, 25 for $2, mailed free. Send for sample flower.

A. BLANC, PHILADELPHIA, PA.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 50c per 100; $5.00 per 1000; $45 per 10,000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

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1000	" "	2-in.	5.00	45.00
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2000	" Ensifolia	"	2.50	20.00
2000	" Serrulata Max	"	"	"
3000	" Longifolia	"	"	"
2000	" Serrulata	"	"	"
2000	" "Compacta Nana"		3.00	25.00
1000	" Onardia	"	2.50	20.00
1500	Nephrolepis Bostoniensis.	2½-in.	5.00	40.00
2000	" Cordata Compacta	"	4.00	35.00
2000	" Exaltata	"	4.00	35.00

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" "		4-in.			5.00	40.00
		Size	Char.			
" "		Pots.	Leaves.	High.		
" "		5,	5-7	18-24,	$9-$12	$70-$90
" "		6,	7-8	20-25,	18	144
" "		7,	7-8	36-40.	30-36	240-290
Kentia Forsteriana, 3-in. $2 50 per doz.; $20 per 100						
" "		4-in. $5.00			$35	"
" "		5,	5-6		24-30,	$9-$12 $75-$95
" "		6,	7-8		25-30,	18 144
" "		7,	7-8		35-42,	28-30 225
" "		8-9	7 8		$3.00 to $4.00 each.	
Latania Borbonica, 2½-in.					.60	5.00
" "		3-in.			1.25	10.00
" "		4-in.			3.00	23.00
" "		5,	5-8	15-20,	5.00	40.00
" "		6,	6-8	16-24,	8.50	65.00
" "		7,	6-8	18-24,	12.00	90.00
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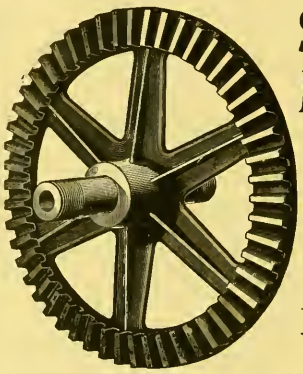
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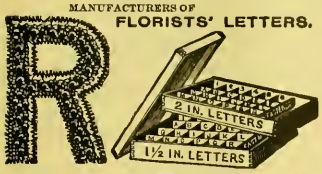
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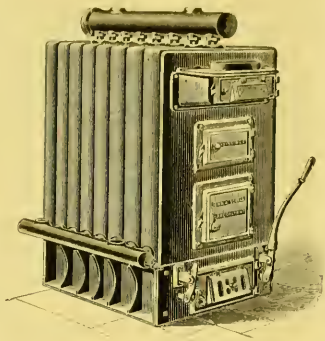
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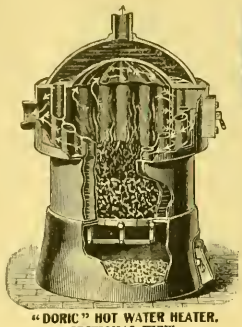
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CHAMPAIGN, ILL.—R. Uttenweiler, late gardener at the State University, has gone to Mobile, Ala., with a view to laying out a twenty-acre railroad park.



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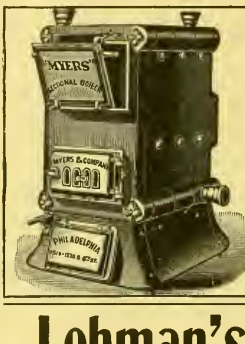
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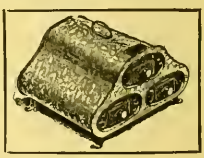
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OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

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THE AMERICAN CARNATION SOCIETY.

Annual convention at Buffalo, February 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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OUR DIRECTORY for 1900 is now ready, with many changes and new features of the greatest value to all branches of the trade. Price $2.00.

Palm Notes.

After the holiday rush is over there is experienced in most trades a period of slack business, and this is quite apparent in many florists' establishments at about this time. There is, of course, the regular routine work to be attended to, flowers to be cut and packed, much care required in firing, watering, ventilation and the moving about of successive crops of forcing stock, but in spite of all this there is not quite the same rush and bustle that characterizes the weeks preceding Christmas.

And during this temporary lull is a good time to make preparation for the spring work and to take a general survey and make some plans for the stock of next fall. The palm department in particular (and this has become quite an important one) will bear some investigation at this time in order to know just how we stand and what the prospects are for the following season. This is a good time in which to get the stock thoroughly cleaned, an operation that should always be done before repotting, for newly potted palms often receive a check from being pulled about and loosened around the base by careless cleaning.

The choice of insecticides now offered is quite a wide one, and, if the circulars of the manufacturers may be accepted as proof, there should be but few insects in existence in our greenhouses, but it remains an unfortunate fact that even yet a sponge and a bucket of soapsuds often seem to be a necessary evil in the palm houses. Tobacco water used as a dip has some value, but its continued use not only makes the foliage look muddy, but in some instances, notably with Latania Borbonica and Livistona rotundifolia, permanent injury to the tips of the leaflets and also to the roots often results.

In the use of strong soapy solutions for dipping palms it has been found that the exclusion of light, or rather of sunshine, from the freshly dipped plants for from twenty-four to thirty-six hours will allow of the use of a much stronger solution without injury to the tender foliage. The best method to follow in such an operation is to give the plants a complete dipping, then shake off the surplus solution from the foliage and lay the plants on their sides on the bench, and immediately cover them over with sheets of common unbleached muslin, or if the plants are small they may be readily covered with newspapers.

The plants should remain thus covered for at least twenty-four hours, after which they should be dipped in clean water and set up again. By following this plan I have been enabled to use a solution of double the strength of soap without injury to the young leaves of Areca lutescens and the kentias, and at the same time made a corresponding increase in the mortality among the insects.

Repotting is almost at a standstill among the palms just now, the kentias being about the only species among the general stock that may be profitably shifted on at this season, unless it may be a few particularly pot-bound subjects, and even in the latter case they may be tided over until the spring potting by an occasional watering with liquid manure.

As to what will be most needed during the coming season, it may be said in a general way that perfectly grown plants of any ordinary species will be likely to command a ready sale, for there does not appear to be any great surplus of good stock, and the plant buying public, in our large cities at least, is yearly becoming a more discriminating body.

But it would not be wise on the part of a horticultural scribbler to prescribe the quantities and species required for the varied trade conditions of our country, this being a question to be decided in accordance with the past experience of each dealer, although it may be safely remarked in passing that kentias are always popular and seldom unsatisfactory to the purchaser, while latanias, arecas and Cocos Weddeliana still retain a goodly measure of favor.

In some localities and for certain purposes, especially for store decoration, Phœnix Canariensis has been more in use for two or three years past, this being perhaps the hardiest of the date palms, and soon forming a shapely plant; but the phœnix generally has not met with a very large sale here, though very enduring and beautiful when well grown.

If one could raise rhapis from seeds readily and grow them on rapidly, there would doubtless be an assured future for these palms, there being few if any kinds that have tougher foliage than the rhapis, or that are better adapted for draughty and unfavorable locations. There are also customers who desire a large mass of foliage rather than a single symmetrical specimen, and for this class a few of the combination plants will be found attractive.

And these combination plants also utilize some rather indifferent stock that may be grouped together in a pot in such

a manner as to hide the sparseness of the individual plants, these groups not being confined in all cases to one species, but sometimes including individuals of two species tastefully arranged together.

W. H. TAPLIN.

Begonia Gloire de Lorraine.

ED. AM. FLORIST:—You would confer a favor on several subscribers by requesting Mr. Lonsdale—or some other successful grower—to tell how he treated Begonia Gloire de Lorraine to obtain the results about which we have read so much recently. I and some neighbors have had the plant two years but have not been able to do much with it.

BUCKEYE.

Replying to inquiry by "Buckeye," we also had some trouble during the two years prior to the last one in the growing of Gloire de Lorraine. More than one cause may be at the bottom of our last year's success. In addition to knowing more about the treatment best suited to its requirements, I believe it is becoming acclimated. One of its necessities is a warm and comparatively dry atmosphere. I have plants in my own house which have been there since Thanksgiving Day, and they are very nearly as good to-day as they were the day they were taken in. Nearly all of the begonias are excellent house plants, and this new one is no exception to the general rule. They do not require much moisture on their leaves.

The cause of some failures may be on account of the watering being done carelessly with a hose. A night temperature of from 65° to 70° is about right, and although I feel satisfied they do not like a moist, stuffy atmosphere, they should never be allowed to suffer for want of water at the root. The sport from Gloire de Lorraine, which has very delicate pink flowers, is also a more compact grower, and the foliage is also more robust than is the parent. In the European horticultural journals it has been announced that in Scotland a variety with white flowers has been secured.

"W. S.," in a contemporary, said December 28: "There are plenty of people who rebel at its purplish pink flowers," meaning the coloring of the original Gloire de Lorraine. John Welsh Young criticised it also for the same reason when he first saw it in bloom here. But there are lots of people who prefer the darker color. One celebrity, when he saw the two varieties together at the chrysanthemum show held in Philadelphia last November, said: "You can't have a pink too pink." Here follows an unsolicited letter received December 26, 1899, by the writer of these notes from Pennock Bros., Philadelphia, which is interesting:

"We wish to tell you how much we are pleased with the sport from Begonia Gloire de Lorraine having delicate pink flowers which you sold us. It is of value not only for the exquisite color and largeness of its flowers; but what is of even more importance than these qualifications to the retailer is *its lasting qualities*. In decorating our window last week, two of these plants were put in amongst a number of "Lorraines," and while the "Lorraines" lost some of their flowers, the sport is to-day in as good shape as when put in, and in decorating again yesterday they were used. Our customers seemed to like it, for they were the first to sell, and had we known these two were in the window, they could have been sold many times over. Thinking you would be interested in knowing how well it has done with us." etc.

This is a case where Dame Nature was not satisfied to change the color alone of the flower of a variety, but has given the plant a more robust constitution, presumably so that it will better withstand the vicissitudes of plant life after it leaves its own greenhouse home. I believe watering too heavily over the foliage is the cause of much of the trouble with florists who have hitherto failed in successfully growing this gem among flowering plants for the winter season.

EDWIN LONSDALE.

[In this connection we would refer "Buckeye" and readers in general to the remarks of our London correspondent on other sports of B. Gloire de Lorraine, which appear elsewhere in this issue.—ED.]



BEGONIA GLOIRE DE LORRAINE. LONSDALE'S PINK SPORT TO LEFT, ORIGINAL FORM ON THE RIGHT.

CARNATIONS.

CARNATIONS REGISTERED.

The following varieties have been registered with the American Carnation Society by Thomas Greaves, Montello, Mass.:

The Crawford, in color variegated, red and white, a sport from McGowan; has been growing four years and keeps getting better every year; a fine clean grower, blooming all the season through.

The Copley a rich cerise and a sport from the Crawford, grown two years and has proven a splendid grower, being more robust than the Crawford.

ALBERT M. HERR, Sec'y.

THE SELECTION OF VARIETIES.

When it comes to a selection of varieties for next season we are facing a difficult proposition for the reason that we are not all near enough to New York, Chicago, Philadelphia or St. Louis to get a paying price for fancy stock. Consequently we must try to get such varieties as combine freedom of bloom with not lower than a medium quality flower. There are enough such varieties to make a nice list, but not all of them will do well in every soil. There are any number of instances of this.

Genesee, in this section, actually did not produce enough flowers to pay for the time required to bring it from the field and was such an utter failure that I have never even recommended it to a grower for trial, but about a week ago I received a letter from a firm in West Virginia which grows as good carnations as are grown in the United States and they consider Genesee as just the thing for a medium grade white. Possibly Genesee did not like our limestone soil and probably when the cuttings were sent out we happened to get some that were taken from blind branches; their behavior would lead one to that conclusion.

Another instance is where W. P. Craig, in a recent issue of the AMERICAN FLORIST says "Leslie Paul won't trot." My experience with this variety is that it will not only trot but that it will trot in fast company. I have one house of it that came too late for the holidays and

another that produced as many flowers as any one could ask, so that there seems to be a difference in the trotting according to the driving. I am not prepared to say that the early crop can be made a feature of the variety, but I fully believe that it can.

Mayor Pingree is a variety which is being dropped from the lists of most growers, and yet I can, with a little care, get as many high grade blooms from this sort as from some more common kinds. The fate of this variety emphasizes the fact that if the retail men want to have a supply of fancy carnations they will eventually have to make some arrangements with the producers to grow them specially and in a manner that will leave a fair margin of profit for both.

The carnation has the brightest of futures before it, and if the retailers will give us growers a helping hand to increase the quality of our cut and decrease the quantity, there can be no question as to where the flower will stand with the buyers. Estimate carefully what a high quality of flower can be produced for and make an offer to the retail men you supply; then grow as many of these fancy grades as you can dispose of, instead of filling all your houses with stock selected alone for the quantity of flowers it will produce.

Where contracts of this kind cannot be made it is not policy to take up much room with fancy sorts and the grower will have to select such varieties as will produce enough flowers to make them a paying crop at low grade figures. It will pay to grow a few fancy sorts, even at a loss, as an educator for the buyers of cut flowers, and thus gradually but surely work up a market for the high grade stock. In making your selection of sorts it is well to have one good white, one good pink, a good scarlet and two or three of different shades, and there is no place in the country where these selections can be better made than in Buffalo, February 15 and 16, as all the good flowers and most of the growers will be there, so that you can see both the flower and the grower and get from them a fair idea as to the merits of the variety.

ALBERT M. HERR.



BEGONIA GLOIRE DE LORRAINE. LARGE PLANT A YEAR OLD, SMALL ONE TWO MONTHS.

Erica Culture.

ED. AM. FLORIST:—Please let me know through the columns of your paper how to treat ericas—good plants in 5-inch, 6-inch and 10-inch pots—which so far have given only a few scattering blooms and are now starting to grow.

A SUBSCRIBER.

In the first place I am somewhat in the dark, as "A Subscriber" does not mention whether it is hard-wooded or soft-wooded ericas he wishes to get information upon but I will take it for granted that they are soft-wooded varieties, such as Erica Caffra, E. hyemalis, E. hybrida, E. gracilis, E. persoluta and E. Wilmoreana. All these are soft-wooded kinds and tree growers and bloomers. So we will suppose "A Subscriber" has some of the above-mentioned varieties, good plants in pots, healthy and started into growth and have given but few scattered blooms. There are two causes which would bring about this result. In the first the plants may have been grown in too much shade and moisture and a high temperature, the wood not being ripened by exposure to good light, sun and dry air during July, August and September. Secondly, and it may be the case of "A Subscriber," the plants may have been well grown and well ripened, but when housed in October were not given enough air. The ventilators should be open day and night when ericas are first housed. Moisture and warmth will cause the tops of the shoots to continue growing and the flower buds which have been set will become blind. The whole plant will start into growth again and few blooms will open or mature.

How to treat plants in the stage of "A Subscriber's" and get them into good condition for next holiday season—December 1900—would be to keep them in a house with a temperature of 40° to 45° until March 1 and then cut them back to within one inch of last year's growth. When they have grown out again three to four inches, pot them, if the present pots are well filled with roots, and keep them growing under glass at a temperature of 50° to 60° until June 1, when they can be placed outside in a light, airy place. The pots should be plunged in ashes and stood upon ashes with moss placed between to keep the air and sun from drying out the roots. Ericas should never be allowed to get dry. In potting the center of the ball should be placed to stand one inch higher than the new soil, keeping sufficient depth between the old ball and the edge of the pot to hold water. This will prevent the crown root from injury by over-watering. All ericas require good free drainage, and peat soil with a good sprinkling of sand suits them. Ericas require an abundance of dry air and as little artificial heat as possible, and will, when ripened, come into bloom at 45° beautifully. When the plants are growing in the spring and early summer they will stand more moisture, but should not remain damp. A free circulation should be kept up or the foliage will mildew and rot, destroying the plant.

Ericas imported in September or October will be damaged if kept very close in transit; but many cases I have seen where good plants have been grown and received sound and they have been ruined by placing them in a moist atmosphere to rush them into bloom; they will not stand this treatment. If the flowers are well formed and on the way to open they will be useless, having no color or substance.

JOHN G. GARDNER.

Lord & Johnson's Boiler Explosion.

ED. AM. FLORIST:—Being unable to concur with your correspondents, Lord & Johnson, as to the cause of the boiler explosion, described on page 680 of your issue of January 6, on the evidence therein submitted, I would respectfully ask them to advise us as to which valve was opened, the main flow or the main return, also as to the nature of the air cock in use, and if automatic, if they are usually prompt in action? If they will kindly state these facts and also either by sketch or otherwise describe the flow and return connections, showing relative levels and positions of valves and style or make of boiler, etc., it may enable myself or others

to reach an opinion as to the actual cause of the trouble mentioned.

HENRY W. GIBBONS.

I have read the comments of Lord & Johnson, of Owatonna, Minn., on their boiler explosion, with considerable surprise. I think they must be mistaken as to the amount of steam or the steam gauge must have been wrong. It would be impossible to blow up a boiler with only one pound of steam. If all the valves were wide open at once one pound of steam simply would not pull any water out of the boiler; it would not produce vacuum enough. We do know, however, from experience that twenty or fifty pounds would draw the water out if the valves were suddenly opened up full, and some of the pipes and fittings would be apt to break from sudden expansion. I always caution my firemen when turning on steam from a banked boiler, or one with much pressure on it, to open the main valve very slowly until everything warms up. J.

Referring to the Lord & Johnson explosion, after careful reading and much reflection I consider it a very singular case. What I would like to know is the correct cause for it, as I firmly believe that given is a mistake. I have my own opinion and if some one knows better would be pleased to be corrected. I do not believe that steam under less than one pound pressure would carry the boiler water away while issuing through a partly open valve as is given in the article; but I do think that inasmuch as the steam was shut off both at return and flow ends while under pressure, the pipes produced a perfect vacuum owing to condensation of steam following and no air entering. This would cause the contents of boiler to rush forward at the slightest opening of valve, and I do not think more pressure would prevent it. However, I have run steam plants and see no necessity for shutting of valves as outlined, as the checking of fire in boiler will effectively stop the heat; I would not shut either flow or return main, but allow the steam to die down and air to fill coils; upon return of steam the air would have to be expelled gradually, and no ill results could follow. While the manipulation of valves as given is certainly unnecessary in a steam system, it may prove dangerous under certain circumstances as experienced. It would certainly be funny to expect of a greenhouse man to prevent steam entering pipes until fifteen pounds of pressure has been reached where very often the entire heating is done with less than two pounds of steam. There is another method for causing the same accident, and that is in attempting to regulate heat by flow valves alone as is done in hot water heating sometimes. This under some circumstances will fill the coils with condensation water, as the pressure through reduced valve is insufficient to return water against boiler pressure; yet the steam goes through and condenses, and seriously lowers water in boiler. When the heat given off becomes insufficient, the valves are opened more, the pressure being equalized, the water in coils will rush to boiler, which may be red hot at places, causing damage. This is an important subject to some of us, and a little science in heating from some expert would be welcome. F. WINDMILLER.

The Wieland-Risch Floral Company.

The Weiland-Risch Floral Company, of Evanston, Ill., is one of the new concerns which have stepped to the front, refusing to permit their seniors to occupy the public eye to the exclusion of the young and energetic element which is just now playing so prominent a part in the trade. The more remarkable is the pace of this firm because neither of its members has as yet attained his twenty-sixth year.

It is probably true that these two young men own and operate more glass than any one of their ages in the country. John P. Weiland is the partner charged with the growing and also with the maintenance of the establishment. He was for several years foreman at M. Weiland's place at Evanston and in that capacity established a reputation as a grower of high grade stock. John P. Risch has charge of the office and sales department, and the extent of the general shipping business transacted is an evidence of his ability and thorough acquaintance with the conditions which prevail in this trade.

The range of glass here illustrated, 50,000 square feet, was erected last spring at a cost sufficient to cover all the latest improvements and to secure the highest grade of workmanship. The heating medium is hot water under pressure and two of Kroeschell's largest boilers are operated. The cypress for the range came from the John C. Moninger Co. and the Evans Challenge Ventilator was installed. The first year of the firm's existence has proven so profitable that recently additional land was purchased, upon which a second range of houses will soon be built.

Carnations and roses are the principal items with the Weiland-Risch Company and in carnations the list of varieties is thoroughly up-to-date. The sorts here are G. H. Crane, America, Melba, Gen. Maceo, Gen. Gomez, Glacier, White Cloud, Mary Wood, Mrs. Joost, Mrs. Bradt, Gold Nugget, Gov. Griggs and Mrs. Jas. Dean. Besides this there are several seedlings of excellent promise and some very fine blooms are now being cut. In roses they are growing Beauty, Golden Gate, Kaiserin, Bride and Bridesmaid. Next year the Mrs. Lawson carnation and Liberty rose will be grown extensively.



ESTABLISHMENT OF WEILAND-RISCH FLORAL CO., EVANSTON, ILL.

New York.

FLOWERS FOR THE EXECUTIVE COMMITTEE.—STATE OF THE MARKET.—ROSES OFF CROP.—RETAILERS ACTIVE.—THE ENTERTAINMENTS ON LONG ISLAND.—DAILLEDOUZE AND WARD HAVE FINE STOCK.—BROOKLYN IN EVIDENCE.—JOTTINGS.

Haste to get an account of the affair into last week's paper made it impracticable to mention in detail the list of donors of floral decorations for the table at the banquet of the New York Florists' Club. Where the gift represents some novelty being introduced by the donor a good advertising reason may be seen for the act but in other cases the contributions represent pure generosity and the various parties who responded so liberally with the rarest and best of their valuable product are entitled to the fullest recognition and gratitude. The table was resplendent with vases of choice flowers and potted plants. The work of arranging was intrusted to Wm. I. Brown, who displayed fine taste in its carrying out. Among the contributions were Liberty rose from Ernst Asmus, carnations No. 666 and J. Whitcomb Riley from Dailledouze Bros., carnations from J. H. Taylor, lilacs from C. W. Ward, anthuriums and oncidiums from Siebrecht & Son, Asparagus Sprengerii from W. H. Siebrecht, Bignonia venusta from Paul Gindra, mignonette from Robt. McMillan, carnation Olympia and mignonette from J. N. May, mignonette from C. H. Allen, carnations and smilax from J. G. & A. Esler, cypripediums, cattleyas and asparagus from A. Herrington, mignonette from Rudolph Asmus, cypripediums and asparagus from W. A. Manda, cattleyas from Lager & Hurrell, heaths and azaleas from A. Schultheis, galax and leucothoe leaves from H. A. Bunyard and smilax from John Young.

The past week finished as it began, so far as cut flower business was concerned. The crop of Brides and Bridesmaids being generally off, a good stiffening up in this single item was experienced, which has continued over into the present week. There is an abundance of everything else, violets especially coming in by the million and prices far below the average for this date. In general, there appears to be more activity among the retailers, with prospects that, once well started, it will continue without serious interruption until Lent sets in. To make up for the three weeks of dullness in the early part of the month is, however, a very difficult thing.

As mentioned briefly in our issue of last week, the executive committee of the S. A. F. together with the officers of the New York Florists' Club were entertained at dinner by Mr. and Mrs. C. W. Ward at Cottage Gardens, Queens. After a survey of the contents of the splendid carnation and geranium houses the guests repaired to Mr. Ward's residence, where a most elaborate dinner awaited them. The menus were all hand

work, each adorned with a handsome carnation flower in water colors. One of the choicest blooms was laid at each plate and vases of handsome seedlings decked the tables. It was an occasion long to be remembered by the participants and an appreciative vote of thanks was passed by the visitors before saying good bye to their hosts. Early in the day a visit was made to the carnation houses of Dailledouze Bros., at Flatbush, and many expressions of delight were heard from those who for the first time saw the wonderful productions of this famous establishment. In the evening, after leaving Mr. Ward's, several of the party returned to Flatbush and enjoyed a game with the local club on the bowling alleys.

Heard at the Florists' Club dinner: "Chicago is pre-eminent in Indians that can make more noise than any other body of men on earth."—Rudd. "Read history if you want to talk with me."—Carmody. "This is a warlike age."—Duke of York.

Brooklyn's existence floriculturally is not likely to be overlooked so long as she can send two such representatives as Messrs. Mallon and Wier to illumine daily the precincts of Twenty-eighth, Twenty-ninth and Thirtieth streets. Just now they are endeavoring to agree upon some common ground as to the maximum limit of special discounts on funeral design orders secured through political influence.

John H. Taylor says that when studying at the Bussey Institution under Jackson Dawson upwards of twenty years ago, he obtained from seed fertilized there a carnation of the size and type of G. H. Crane but it was discarded because too tall and too slow to develop. That class of carnations would not pay to grow commercially in 1880.

The various sub-committees of the Florists' Club in charge of different departments of preparatory convention work, met at the club-rooms on Monday evening and completed their organization.

Visiting New York: Alex Montgomery, Natick, Mass.

Philadelphia.

STATE OF THE MARKET.—GOOD TRADE AND APRIL WEATHER.—STOCK PLENTIFUL EXCEPT ROSES.—VISITORS OF NOTE.—MUSHROOMS FOR FLORISTS.—THE QUESTION OF FUEL.

Very likely February has something severe in store for us but just now there is plenty of sun and overcoats to spare. The rose crops are still a little off. There is a good demand for choice Brides and Bridemaids at from $8 to $10, and it takes quite a hustle to get enough to fill orders. Beauties seem to be in quantity to meet the demand; the quality is good in all the grades and prices range from $1 for shorts to $6 per dozen for the four-foot stems. Carnations are fine and plentiful at from $1 to $2, the fancies bringing $4 to $6. Triumph shows up well, its beautiful shade of pink and its full fringed flower making it quite a favorite. Growers say it is a continuous bloomer so that it bids fair to become a standard sort. White Cloud with some growers is doing fine; Messrs. Craig & Son and Joseph Heacock are sending in some grand flowers of this variety. Violets, particularly the single sorts, are now at their best. Princess of Wales and California are particularly fine; the flowers are large and the color that rich dark shade so much admired. Just a few double daffodils are making their appearance and in a week or so the market will no doubt be overstocked, as it generally is after the crops get started. Romans are still moving slowly. Lily of the valley is in better demand and is fairly well cleared up every day, at from $3 to $4.

Wednesday was "Ladies' Night" at the club and there was a goodly attendance of the wives, daughters and sweethearts of the members. There was some good singing and Mr. Westcott's famous punch, served "with or without," was pronounced delicious. The contests on the shuffle boards and bowling alleys were hugely enjoyed. At bowling the prizes were won by Mrs. Thompson, Mrs. Stoer and Miss Kennedy. At shuffle board the prizes went to Miss Edna Craig, Mrs. John Habermehl and Mrs. Rannear. Messrs. Green and Stoneham bowled a three ball match won by the latter, who was presented with a bottle of Mrs. Winslow's Soothing Syrup amid great laughter. During the evening President Wm. K. Harris read the following original poem:

A WOMAN'S KISS.

When life began, with all its aches and pain—
When misery seemed to wreck the infant brain—
What eased our torture, with that earthly bliss
That lulls to sleep? It was a mother's kiss.

Our early years, they seem to pass too slow,
Yet out of every act some sport would grow;
But youth, with all its joys, longs for that bliss
That can only come through a sweetheart's kiss.

Pass on to sterner years of riper thought,
Wisdom dearly gained by youthful follies bought,
Teaches man that wedlock is his truest bliss,
When he returns his wife her evening kiss.

In this struggle in life for wealth to gain,
The setting sun may close each day in pain.
But the gloom of the day will melt in bliss
When tender fruits of wedlock plants a kiss.

There's "Bachelor Bearn" in his lonely retreat—
He never hears the tread of dear little feet;
He knows not the taste of Heaven's choicest bliss
Sent by God to man through a woman's kiss.

The city was graced on Friday last by the presence of W. N. Rudd, of Chicago; Messrs. Cowell and Palmer, of Buffalo, and J. D. Carmody, of Hoosier fame. They visited the Deacon and the Duke and also inspected the Craig carnation establishment, where so many of the new kinds make their bow to this city, and also paid a visit to the stores and commission houses.

Mushrooms as a side issue is an idea that commands the attention of some of the growers hereabouts. George C. Watson's paper, recently published, is being much discussed for the fact that two pounds per square foot can be raised during the life of a bed is news to many people. Mr. Watson says that this statement is no exaggeration, as a grower told him recently that he expected to get two and one-half pounds per foot from a bed now in bearing. The market price of mushrooms is now 35 cents per pound in this city and at this price they are fairly profitable, particularly when raised in a house with another crop.

The fuel most economical for the grower is a much discussed and always alive topic. It would seem that in a matter of such importance there should not be such a diversity of opinion, as for the different systems of heating, steam and hot water, there should be certain sizes of coal which, from experience and results obtained, should be without doubt the best and most economical. Some few years ago coke was used extensively in this city, but a rise in the price turned the growers to coal and the problem now is, which is the most economical kind, hard or soft, and if hard which size will give the best results, broken, egg, nut, pea or buckwheat?

Mr. Troy, of the Rosary Flower Co., of New York, was a recent visitor. K.



JOHN P. RISCH



JOHN P. WEILAND.

PRINCIPALS OF THE WEILAND-RISCH FLORAL CO.

Boston.

GREAT IMPROVEMENT IN TRADE.—HEAVY CUT IN ALL LINES.—NO ADVANCE IN PRICES.—EWELL HAS FINE BULBOUS STOCK.—A LECTURE AND OTHER ITEMS.

A marked improvement is noticeable all along the line in the cut flower trade. This is in accord with experience in past seasons, when invariably a strong current of business has set in about the middle of January, following the two weeks of inactivity that succeed the holi-

day rush. The full effect of the present awakening is not shown, however, in the market price reports because of the mild, April-like weather that prevails generally and is keeping the plants busily blooming in every greenhouse, big or little, all over this section of the country. With the severe winter conditions ordinarily prevailing at this season the rural establishments would be at a standstill and the demand would revert to the wholesale houses of Boston. This time the country demand is light and the growers for the city markets have the clerk of the weather to blame if their returns are not up to past records. Roses are showing the most activity at present and fairly good quality flowers of all the standard varieties are going as fast as received. Carnations are moving more slowly, as the crop at present is very heavy.

Bulbous stock begins to assert itself. Warren Ewell, who is the mainstay of this market on such material, is experiencing a lively demand for daffodils, tulips and such things and is bringing in some splendid Kaiser Kroon tulips. Von Sion narcissi are equally good and the demand for them is excellent.

O. B. Hadwen, of Worcester, delivered a very entertaining and instructive lecture at Horticultural Hall, last Saturday on ornamental tree planting. Mr. Hadwen has a record of over half a century of observation and practical interest in his subject and his lecture was full of good advice.

The Boston *Globe* published an article on the flower vendors of the city last Sunday which was illustrated with characteristic drawings and was chiefly interesting to the wholesale fraternity from the fact that it located the source of supply of the street gamins at the Park street market. Explanations and delicate compliments have been in order ever since.

The Market Gardeners' Association held their regular meeting at Rawson's greenhouses last Saturday. They had a good time. Mr. Rawson, being now a florist as well as market gardener, will extend similar courtesies to his colleagues in the flower trade at a later date.

John Smith, formerly with Doyle, has taken the place of John Walsh in M. J. Killion's store at Forest Hills, Mr. Walsh being obliged to resign on account of ill health.

President E. M. Wood has gone south on a short yatching trip.

Visitor: W. A. Manda, South Orange, N. J.

Chicago.

STATE OF THE MARKET.—ROSES STILL VERY SCARCE.—BULBOUS STOCK TO SPARE.—SPEAKERS AT THE CLUB.—THE KREITLING CELEBRATION.—CARNATION CHICAGO IN FAVOR.—GARLAND'S GUTTER SELLING WELL.—LOCAL JOTTINGS HERE AND THERE.

During the week roses have been in very short supply and prices have stiffened quite a little. Of other lines there is an adequate supply, including carnations, violets, Romans, narcissi, lily of the valley, callas and Harrisii, to meet all demands. Business is good, particularly shipping trade, and the call for funeral flowers is very large. It is said that out of town orders are more numerous than at any time since the holidays. Qualities are not quite what they should be as a rule because of the sudden changes in the weather, but there are some splendid carnations and a few superlative Beauties in sight.

Following last week's successful exhibition the Florists' Club held a well attended meeting devoted to the discussion of the exhibits and the carnation as a factor in the trade. Among those who held the floor were E. G. Hill, Geo. F. Crabb, Fred. Dorner, Jr., E. E. Pieser, W. S. Heffron, F. F. Benthey, J. G. Hancock, Anton Then, Edgar Sanders, the Collins brothers, Phil. Hauswirth, President Hartshorne and others.

Some of the growers are having troubles with their lilies. It is claimed by several that they bought Harrisii and got longiflorums. One man has about 4,000 bulbs 5-7 under way and is getting hardly more than one flower to a bulb. The Harrisii disease does not seem to be unusually prevalent this season.

Carnation Chicago (Red Bradt) was the only flower used last week at the West Chicago Club House ball and reception of the Schnitzelbank Athletic Club. It was worn by members and guests and considered by them superior to all other flowers, even American Beauties.

Mr. and Mrs. Walter Kreitling had the assistance of very many friends at the celebration of the fifteenth anniversary of their marriage last Saturday night, and to those who know the estimable couple further comment upon the felicities of the occasion is unnecessary.

The establishments of Bassett & Washburn, Emil Buettner, P. S. Peterson and the Reinbergs are given illustrated notices in recent issues of *Moller's Deutsche Gartner-Zeitung*, published at Erfurt, Germany.

John Mangel has become entangled with the state factory inspector through employing a boy under age, a matter on which every one should be careful as a violation of the law means a fine eventually.

F. W. Taylor, of the Pan-American Exposition, was in town this week and reports that good progress is being made in all departments of Buffalo's big show.

Weitor Bros. will use Garland's iron gutter in their entire new range, believing it to be an economizer of space and a saving in cost of construction.

At Washington Park they have a particularly fine display of azaleas, plants carried over from previous seasons. The primroses, too, are good.

T. J. Corbrey is afflicted with his old trouble, having been ill since the holidays, and intends to strike out for the coast again about March 1.

John Porte, formerly with Mr. Kanst at Washington Park, has been appointed landscape gardener for the Illinois Central railroad.

McKellar & Winterson have made arrangements to handle Jacob Rusler's new carnation, Pink Beauty.

The plantsmen say that there is an unprecedented and unexpected demand for rose cuttings.

Local demand for Crane carnations is said by some to be greater than the supply in sight.

J. B. Deamud recently received from Vermont a large shipment of very fine hardy ferns.

The first lilacs have made their appearance at Hunt's.

WATERTOWN, N. Y.—Greene & Underhill have opened a branch store at Gouverneur, with Harry Rogers in charge.

KANKAKEE, ILL.—Chas. Schafer, of Chicago, has purchased three and one-half acres of land east of the water works, consideration $1500, and will erect greenhouses.

London.

SOME NOVELTIES OF THE PAST YEAR.—SEEDLING POINSETTIAS.—NEW CHRYSANTHEMUMS TOO NUMEROUS.—POOR HOLIDAY TRADE IN PLANTS.—MANY NEW ORCHIDS.—THE SWEET PEA CONFERENCE.—WM. ROBINSON.—INSECTICIDE LAWS.

During the past year a large number of plants received attention at the hands of the floral committee of the Royal Horticultural Society and perhaps none will be looked after with greater interest than the white sport of Begonia Gloire de Lorraine. It is hardly white enough to suit some critics, but it is sure to have a great future and may improve in further culture, as has been the case with its parent. This has been seen in better form than ever and is a universal favorite. Mrs. Leopold de Rothschild is another sport for which the R. H. S. awarded a certificate; the flowers are larger than those of the parent and of a brighter hue. I may also mention Begonia Moonlight, a variety raised some twenty years ago and nearly lost to cultivation. Grown as a companion to the above it is equally valuable. The flowers are creamy white, shown up well on dark marbled foliage. With good culture it makes a grand plant, but as in the case of Lorraine it is not all who succeed with it. One great secret is to get good short cuttings with a number of eyes at the base; they should be taken off close to the old stem.

Growers of poinsettias should see that they get the best variety. Seedlings have been raised from time to time, and though few have received distinctive names there is a wide difference both in the growth and color of the bracts. The variety which has been exhibited by Messrs. Cripps & Sons the last two seasons is the best I know, the bracts being broad and rich in color. If it had been offered under a new name it would have made a lot of money for the owners.

New chrysanthemums are much too numerous to mention. Exhibition growers, of course, try them all; but to those who do not follow them so closely and grow only for the cut flower trade I think Lord Ludlow will prove useful, and I shall be surprised if Matthew Hodgson does not remain a standard variety. The trade in blooms of these ever popular plants seems to have been better than usual the past season, that is, for those who were fortunate enough to have had a good stock; but the excessive drought was very disastrous to those who could not command a good supply of water.

Owing to severe weather, and the trade being generally dull on account of the war and from other causes, pot plant growers have found the past Christmas one of the dullest on record. Throughout the autumn there had been a considerable drop, and then the frost coming just as things might brighten up a little, it made a very bad finish to an unusually slack season.

Although we have lost several of our most enthusiastic growers of orchids, there seems to be no abatement in the popularity of these beautiful flowers and anything new, either garden variety or importation, commands a high price. Numerous garden hybrids have been added, the last I note being an unusually large cypripedium.

The projected sweet pea conference is bringing forth a good many comments. I could understand having a special exhibition of these popular flowers to give the public a chance of selecting their own particular shades of color, etc., but

my idea of a conference is to settle various distinctions which can be definitely perpetuated, and this cannot be the case with annuals which, though they may be kept true to some extent by careful selection, and even improved from year to year, there can be no such thing as a definite registration of varieties.

The first number of the *Garden*, under the new proprietorship, shows some change in style, and the letterpress and illustrations are all that can be desired; but having been so long associated with it in the past it seems like losing old and pleasant friends. However, we hope that the new friends we have to make may prove as pleasant as those we lose. I think the whole gardening fraternity owe Wm. Robinson, the founder, a debt of gratitude for what he has done in garden literature. He not only founded one of the best garden papers, but by his persistent attacks on various matters which needed reform, he brought his contemporaries to a better realization of their duty.

To those who use insecticides and fumigants, some inconvenience will be caused by the action of the Pharmaceutical Society, which has obtained a verdict that it is against the law for any one except certified chemists to sell such wares. Manufacturers are, of course, chemists and they can supply direct; but for those who only require small quantities it is more convenient to obtain supplies of local sundriesmen, and it has become such a general thing for nurserymen and seedsmen to supply this material with other goods that some hardships will be felt. Being purely a technical offense, we hope the law will soon be amended.

I do not think any gardener would be likely to use these as a means to bring about his own end, except by accident; and any restrictions bearing upon the dealers from whom they may be purchased would certainly not minimize this risk, for at the present time very full instructions are given as to the danger of leaving them exposed to those who do not understand their properties. Insect life has become so troublesome that any delay in procuring the necessary means of eradication may prove very disastrous. H.

Baltimore.

SEEN AT A GOOD GROWER'S.—FRASER DOES MANY THINGS WELL.—THE CLUB MEETING.—FLOWER SHOW MATTERS SETTLED.—A CARNATION EXHIBITION PLANNED.

One of the places to see American Beauties grown to perfection is at the Ruxton Floral Co.'s old place, now owned by Wm. Fraser, and the houses of Perles and Brides are equally admirable. Another attraction is a house of cucumbers, grown to single stems trained vertically, with fruits eighteen inches long and not yet ready to cut. Tomatoes are trained in the same way and the stems are loaded with clusters of fruit. Mr. Fraser uses English Forcing cucumber and two varieties of tomatoes, Lorillard and Sutton's Best of All. He does not find it at all necessary to fertilize the flowers, as the fruit of both tomatoes and cucumbers set too thickly. The mushroom house is well worth imitating, and in fact the whole place shows the same skill and judgment that gave Mr. Fraser his reputation while on Gay street.

The last club meeting was well attended. The chrysanthemum show committee made a final report in which it stated that all debts are paid and thirty-nine per cent returned to contributors to the guarantee fund Wm. Fisher sold the most tickets, amounting to $33.50. We are to have a carnation show at the club hall on February 26. At the last session Halliday Bros. showed a bunch of their red carnation Matt. Richmond, and several varieties from P. Welch's place were on exhibition. The question box was, as usual, the chief feature of the meeting. MACK.

Washington.

MORE EXCELLENT DECORATIONS AT THE WHITE HOUSE.—FINE WORK BY AMERICAN ROSE CO.—PERSONAL DOINGS AND OTHER MATTERS.

The second state dinner of the season was given January 17, by President and Mrs. McKinley, when the decorations in the East Room, where the company was received, were as elaborate as on the previous occasion and the floral decoration of the long table was the most elaborate seen this winter, consisting entirely of orchids and adiantums. The only decoration in the Blue Parlor was a fine specimen of Dendrobium nobile on the mantle. The decorations were under the supervision of Henry Pfister, head gardener of the White House conservatory, and Geo. H. Brown, the public gardener.

The American Rose Co. had the decoration for a dinner of twenty covers, January 20, given by Secretary and Mrs. Gage in honor of the President and Mrs. McKinley. The materials used were principally Begonia semperflorens gigantea rosea, Asparagus Sprengerii and their white rose Ivory.

A. Gude & Bro. are cutting a quantity of very fine American Beauty roses from houses that were not finished until last November.

C. W. Wolf, formerly with Patterson Bros., now with A. Gude & Bro., was married January 10, to Miss Pauline K. Sayer, of Washington.

O. A. C. Oehmler, formerly with J. Louis Loose, is now with Z. D. Blackstone, whose windows are and have been looking very fine through the holidays.

J. H. Small & Sons and A. Gude & Bro. have each contributed $25 to the fund to purchase a home for Admiral Schley.

C. F. Hale is very much interested in a new chemical fire extinguisher.

Last week being cloudy good roses and violets were somewhat scarce but this week they are of better quality and more plentiful. Business is fair. P. G.

Louisville.

BUSY TIMES IN THE KENTUCKY METROPOLIS.—STOCK SCARCE.—GROWERS LOSE BY FAILURE OF HEATING APPARATUS.—SOME GOOD CARNATIONS.—VARIOUS ITEMS OF INTEREST.

Trade is good in all lines and stock is scarce, particularly roses; the Anchorage Rose Company is getting $12 per hundred for the best stock. The season is so mild that F. Walker & Co., are filling many orders for nursery stock. Wood & Stubbs report a good seed trade, one order for spring amounting to $1200; they have an original catalogue of sixty-four pages. Nanz & Neuner also have their catalogue out and it is the largest of its kind published in the south.

Two of our growers have suffered from the failure of their heaters. Henry Pfeifer's loss was heavy but George Schultz kept up the temperature by charcoal fires in the houses until Mrs. Schultz was overcome by the gas.

C. H. Kunzman is cutting some remarkably fine blooms of the newer carnations. He has a cerise seedling which promises to be a world beater.

Last winter killed the cane brakes near Louisville so that we have to look elsewhere for our stakes.

Chas. Rayner will visit his old home in England during the approaching summer.

L. W. Wheeler, representing Vaughan's Seed Store, was a recent visitor who found his stay profitable.

Victor Mathis is cutting some particularly fine stock, both roses and carnations.

Jacob Schultz has purchased 100 boxes of glass for delivery in March. W.

Madison, N. J.

The Morris County Gardeners' and Florists' Club had a smoker last Wednesday evening. Everybody was jovial—the rival quartettes, one black and one white, the little darkey with the cornet, J. Austin Shaw, the poet; J. P. Cleary, the tragedian; President Duckham, who conducted the services with impressive seriousness, the hilarious delegation from the metropolis and the local gardeners and florists to the number of two score.

Previous to the minstrel entertainment a brief business session was held and the officers of the past year—President Duckham, Vice-President Totty, Secretary Atkins and Treasurer Charlton, were all unanimously re elected. Then the president took his position as manager. He was composure personified as though he had faced the ordeal before. A colored aggregation picked the strings of the melodious guitar and one infantile prodigy excited unbounded enthusiasm with cornet solos. As the president consulted a list of good things in his vest pocket, there followed a quick succession of musical treats, an original topical ditty with the cheerful refrain "These bones shall rise again," proving especially popular. Then the Florham quartette came on the scene and gave good evidence of the musical abilities of the Anglo-Saxon race. Three of these gentlemen—Messrs. S. McCallum, Geo. Coombs and John Dowing, are employes of A. Herrington at Florham Farms. J. Austin Shaw's "poem," Cleary's "Fagin" and A. J. Bunnell's "Nimble Dick" were among the other enjoyable numbers that were put on as the sandwiches and punch were passed around. Just a little seriousness was intermingled, Mr. O'Mara speaking hopefully of the indications of the time soon to come when all the local clubs and societies would see their way to the establishment of an interstate horticultural association and Mr. Stewart endorsing Mr. O'Mara's views as to the benefits to follow from the coming national convention.

When, at a late hour the entertainment came to a close, it was the unanimous conviction of the participants that the Morris County boys know how to get up a royal good time.

STILES, WIS.—Otto J. Foss proposes to embark in the florist business here.

SANDWICH, MASS.—W. C. Chapman, the introducer of the Cape Cod pink pond lily, died at his home in Spring Hill, on January 8, aged 75 years.

NEW YORK.—The National Florists' Board of Trade, of this city, intimates that on and after March 1, 1900, the concession of two dollars offered members of the S. A. F. in 1898, on their subscriptions for credit and information lists, will be withdrawn.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent. 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THE season has thus far been so mild that growers are not suffering because of the advanced price of coal.

ROSARIANS of this country will learn with regret of the death of Mrs. Wm. Paul, of Waltham Cross, Eng.

FEW of the strong concerns making window glass are willing to book large orders for greenhouse sizes at prevailing rates.

THE issue of the *Garden* (London) for January 13 comes to hand without the colored plate so long a regular feature of this publication.

OUR DIRECTORY for 1900 is now ready, with many changes and new features of the greatest value to all branches of the trade. Price $2.00.

BEDDING plants for the approaching season will be in rather more than usual supply, of the best varieties, generally well grown and should command advanced prices.

THE act now pending in congress, relating to the importation of trees, shrubs and plants, expressly excepts from its provisions those commodities commonly known as florists' stock.

THE appearance of the official publication of the Canadian Horticultural Association is promised for February 15. It is to be a semi-monthly journal for the trade and professional gardeners.

THE advertisement of W. A. McFadden, Rosebank, Cincinnati, in our issue of January 20, stated the cyclamen plants averaged three blooms each. The number of blooms should have been twelve.

MUCH of the work upon the twelfth census is being taken up in advance and valuable statistics compiled. Among the industries so treated are the flower and nursery trades, also seed growing, it being the intention of the Department to secure an early report from all interested parties and to this end blanks are being sent out.

A Good Investment.

AM. FLORIST CO.—I wish you would please discontinue my adv.—"50,000 gladiolus bulbs." Your paper certainly reaches the trade, as I have received more orders than I can fill.

GEORGE BILLOW.

Akron, O., January 19, 1900.

[The above was written when a 1-inch single-column advertisement had appeared in the AMERICAN FLORIST two times.—Adv. Dept.]

Pleasure and Profit.

AM. FLORIST CO.—Your paper is a weekly source of pleasure and profit to every one connected with this concern and three copies of it have been subscribed for by the company for several years—one to my house, one to the greenhouses and one to the store. In addition to that the foreman and one or two of the men each receive a copy.

J. A. VALENTINE, Pres.,
Park Floral Co.

Denver, Colo., Jan. 15, 1900.

Dielytra Spectabilis for Easter.

ED. AM. FLORIST:—When and how shall I start Dielytra spectabilis to bloom at Easter? W. W.

Dielytra spectabilis is one of the easiest plants to force into bloom that can be taken in hand—it responds to heat so readily. To bloom for Easter, four weeks should be ample time in a temperature of 50° to 55°—not higher, or the growth made will be too soft to stand well. E. O. ORPET.

Greenhouse Building.

Pittsburg, Pa.—Allegheny Park, conservatory.

Champaign, Ill.—Illinois Central R. R., range of houses.

Lafayette, Ind.—Mrs. C. W. De Paw, range of rose houses.

Taunton, Mass.—J. A. Nixon, one forcing house.

Small Connecting Pipes.

ED. AM. FLORIST:—I am building a house 20x60 feet, and intend to have four runs of 4-inch pipe on side, heating with hot water. Will one 2-inch flow and one 2-inch return suffice to connect the boiler with the 4-inch pipes? G. & B.

From the statement that there are "four runs of four-inch pipe on side" it is not quite clear whether there are four runs on each side, or only two, but as four would most likely be required that will be considered as the number in use. The four runs of sixty feet each will make more than 250 square feet of radiation and this is considerably more than can be supplied, especially when in the form of 4-inch pipe. If this pipe is cast-iron hot water pipe, it probably measures four inches in diameter outside and in that case fair results could be obtained if a 2-inch flow is used to supply water to two 4-inch pipes, one of which carries the water to the farther end of the house, while the other brings it back to the starting point, where a 2-inch pipe joins it to the boiler. For four 4-inch pipes it will be best to have 3 inch, or better yet 4-inch, connections with the boiler, and then run two of the pipes as flows and the others as returns. If it is not possible to use connections larger than 2-inch, the circulation will be greatly improved by running the large pipes as near the boiler as possible. L. R. TAFT.

OBITUARY.

M. KROHN.

M. Krohn, the well known florist at 2324 Fifth avenue, Rock Island, Ill., died Sunday night, January 21, from blood poisoning resulting from a small cut upon his finger.

JOSEPH NICOL.

Following an illness of nearly a year Joseph Nicol's demise came upon January 17, at his home at Kingston, Ont. Mr. Nicol was born at Montrose, Scotland, sixty-three years ago. He came to this country when quite young and for thirty years had been in the florist business near Kingston, conducting a well ordered garden at Cataraqui.

JOHN PEARSON.

The trade in Memphis, Tenn., loses one of its oldest gardeners and florists by the death of John Pearson, which occurred January 19, after a short illness with pneumonia. Mr. Pearson was an Englishman and a thorough gardener, having obtained his training in the famous establishment of Veitch & Son. He came to this country twenty-five years ago and held several positions in private places before locating at Memphis. He was engaged by Avery Lamb as foreman for the Memphis Floral Co., afterward embarking in successful business for himself. Mr. Pearson endeared himself to the trade and general public by his courteous manner and kindly disposition. He leaves a widow.

ALFRED NEUNER.

The death is announced of Alfred Neuner at a watering place in Germany, where he had been sojourning some months for the benefit of his health. Mr. Neuner was well known to seedsmen throughout the country. He was born at Stuttgart, Germany, about forty years ago, and coming to the United States entered Vick's establishment at Rochester, N. Y., as a boy, rising rapidly to an important position in the catalogue department. Later he was a member of the firm of Nanz & Neuner, of Louisville, Ky., but retired from that concern on the occasion of its reorganization a few years ago. Removing to Chicago he was employed at Vaughan's Seed Store about two years. Poor health compelled him to relinquish his position and he returned to Germany last January.

J. M. HODGSON.

New York and Newport are deprived of a familiar figure through the sudden demise, at eleven o'clock on the night of January 24, of J. M. Hodgson. Mr. Hodgson was born in England seventy years ago and came to this country while yet a young man. He acquired a thorough knowledge of the florists' trade and thirty years ago established a business of his own in New York city, his store at 561 Fifth avenue being now one of the best known in the city. A quarter of a century ago he opened a branch at Newport. He has always catered to the most fashionable trade at each place and his large show houses at Newport are among its noted attractions. Mr. Hodgson's death was due to apoplexy. He leaves three daughters and one son, who is a partner in his father's business. Interment will be at Newport.

MRS. R. J. MENDENHALL.

Abby G. Mendenhall, wife of R. J. Mendenhall, the well known Minneapolis florist, and one of the foremost women of the city, died January 11, as the result of a sudden and severe attack of pneumonia, contracted while in pursuit of her favorite work among the missions of the city, in all of which Mrs. Mendenhall has always taken an active interest. Mrs. Abby G. Mendenhall was born in West Falmouth, August 1, 1832. She was one of the two daughters of Capt. Silas

Swift, a merchant sailor. On her mother's side, as well as on her father's, she was descended from a long line of Quaker sailors. Her ancestors have for many generations been prominent in the charitable associations in connection with the Society of Friends. On February 11, 1858 she was married to R. J. Mendenhall, a native of North Carolina, and in April of that year the young people moved to Minneapolis.

Catalogues and Cut Flower Price Lists Received.

T. W. Wood & Sons, Richmond, Va., seeds; A. L. King Rose Co., Ontario, Cal., roses; J. M. Thorburn & Co., New York, N. Y., seeds; Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y., insecticides, paints and putty, Trumbull & Beebe, San Francisco, Cal., trees and shrubs; Henry F. Michell, Philadelphia, Pa., seeds; John N. May, Summit, N. J., plants; O. A. Johnson, Upper Fairmount, Md., strawberry plants; the Gould Manufacturing Co., Seneca Falls, N. Y., spray pumps; Reasoner Bros., Oneca Fla., plants, trees and shrubs; John Peed & Son, West Norwood, London, S. E., Eng., seeds; Geo. B. Moulder, Smith's Grove, Ky., aquatics; E. C. Amling, Chicago, Ill., cut flowers, Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; J. B. Deamud, Chicago, Ill., cut flowers; Pinehurst Nurseries, Pinehurst, N. C., woody and herbaceous plants and seeds, wholesale; W. Atlee Burpee & Co., Philadelphia, Pa., farm and garden seeds; S. L. Watkins, Lotus, Cal., seeds, bulbs plants and fruits; Northrup, King & Co., Minneapolis, Minn., seeds; Nathan Smith & Son, Adrian, Mich., plants; Cole's Seed Store, Pella, Iowa, seeds; J. H. H. Boyd, Gage, Tenn., tree seeds and seedlings; Henry A. Dreer, Philadelphia, Pa., seeds; The Storrs & Harrison Co., Painesville, O., seeds; The Geo. H. Mellen Co., Springfield, O., plants and seeds; Isaac Hicks & Son, Westbury Station, N. Y., trees, shrubs and hardy plants; Plant Seed Co., St. Louis, Mo., seeds; E. H. Hunt, Chicago, Ill., seeds and bulbs; Barr & Sons, London, Eng., seeds.; W. J. Godfrey, Exmouth, So. Devon, Eng., chrysanthemums; Drege & Matthie, Pallanza, Italy, seeds; Friedr. C. Pomrencke, Altona-Hamburg, Germany, seeds; F C. Heinemann, Erfurt, Germany, seeds; Johannes Rafn Skovfrokontoret, Copenhagen, F, Denmark, tree and shrub seeds; E. J. Hill, Olyphant, Pa., strawberry plants; F. Dorner & Sons Co., Lafayette, Ind., carnation cuttings.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a young man where he can learn the trade thoroughly; two years, experience; best references. D J, care Am. Florist.

SITUATION WANTED—As gardener or florist, by a practical man; understands the cultivation of flowers, fruits and vegetables. Address W H., care American Florist.

SITUATION WANTED—By experienced rose grower, single, American; over 10 years' in present position. Best references; want to change. Address P. O Box 100, Madison, N. J.

SITUATION WANTED—By a lady, aged 30, in retail store, capable of taking management. Going out of business for myself. Address LOCK BOX 634, Kalamazoo, Mich.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

SITUATION WANTED—As foreman on commercial place by a first-class grower of roses and cut flowers in general. Twenty years' experience; married. Address P. V., care American Florist.

SITUATION WANTED—After March 1, 1900, position as gardener and florist, thorough horticulturist in the open and under glass; 17 years experience, age 32. Best of European and American references. Address W K, care Am Florist.

SITUATION WANTED—Young man 21 years old with a little experience desires position in up-to-date store where he can thoroughly learn the business. Best references as to character. Eastern section preferred. Address H L, care Am. Florist.

WANTED—Man general greenhouse work. State wages ALMA S. PATTERSON, Ft. Scott, Kan.

WANTED—Good, all-a'ound seedsman; steady employment to right party. Address S. N. C, care American Florist.

WANTED—A crack rose grower; $15.00 per week. Send references GLAUBER & WEBB, 921 16th St., Denver, Colo.

WANTED—Boy to learn the greenhouse business and the growing of cut flowers Apply to JOHN L WYLAND, De Haven, Pa.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist

WANTED—Traveling salesman, well acquainted with the florist trade, desires a good side line. Address FLORIST, 2735 Wabash Ave., Chicago, Ill.

WANTED—A lady competent to take care of cut flower and seed store on the Pacific coast in town of 7,000 inhabitants S. D., care Am. Florist.

WANTED—Man for general greenhouse work on retail place Good chance to work up. Give full particulars first letter. F G H, care Am. Florist.

WANTED—A strictly temperate florist of 15 years' experience wants to buy stock and rent a moderate sized place in city of 20,000 or over Address SANFORD, care American Florist.

WANTED—An intelligent young man to learn landscape gardening. Must have some knowledge of drawing and nursery work Address J W. ELLIOTT, Carnegie Bldg., Pittsburg, Pa.

WANTED—Some one to furnish capital to erect a range of houses for growing Am. Beauties for the Chicago market by an experienced grower who can furnish best references. K P, care American Florist.

WANTED—A young man, German, who understands general greenhouse work; must be sober and willing to work. Place steady with board and room, wages $15. Address J RINDFLEISCH, Beloit, Wis,

WANTED—Young man with some experience in roses, carnations and h dding stock. Must be sober intelligent and industrious. State references, experience and wages per month including board GEO S BELDING, Middletown, N Y.

WANTED—A young single man to assist in greenhouses; one who has had some expeilence; must live with proprietor; good home for good boy. Send references as to character. Must be a mer can. Address O. C. PORTS, River View Floral Gardens, Stall No 9 City Market, Norfolk Va.

FOR SALE—Commercial place of R. D. BAKER, Canon City, Colo.

FOR RENT—14000 feet of glass in first-class condition. Thirty-five miles from Chicago. Address J, care American Florist.

TO RENT—For cash or share, greenhouses of 9,000 feet in full operation. Address GREENHOUSES, care American Florist.

FOR SALE CHEAP—Up-to-date store fixtures for florist; cooler, wall case, counter, etc Detailed description cheerfully furnished by F. DANZER, 745 Milwaukee Av., W., Detroit, Mich.

FOR SALE—Four greenhouses well stocked, with fine residence, all as good as new; hot water heating, city water, electric cars, R.R. MORITZ TITTEL, 1939 W. Leland Ave., Jefferson Park, Chicago.

FOR SALE—Who wants a chance to secure a home and a business for little cash; dwelling and 400 ft of glass; no competion; good thing for florist or lettuce grower; only $400 required. AI CHANCE, care American Florist.

FOR SALE. A first class greenhouse bus'ness about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

We've thousands of readers and hundreds of advertisers. Each helps the other.

For Sale or Rent

A greenhouse establishment in a good business city in Southern Minnesota. For particulars address

H, care of American Florist.

FOR SALE.

One of the finest floral establishments in Chicago, with elegant show house fronting 50 feet on business street. This is an ideal property; everything is brand new and the place is completely stocked with palms, ferns, florists' supplies, etc. A most favorable ten-year lease. Owner has been sick for some time and must leave the city.

Address **T. J. CORBREY,**
1409-1411 Madison St., CHICAGO.

.·.FOR SALE.·.

A Greenhouse plant of 36,000 square feet of glass, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with every modern appliance; have Herendeen boilers, and are well stocked with Roses, Carnations, Ferns and everything pertaining to the business. Will be sold at a sacrifice, as owner has other interests.

For further particulars apply to

PROPRIETOR,
P. O. Box 797, Pawtucket, R. I.

NOTICE.

Notice is hereby given that the under signed is transacting business as florist and seed dealer as a sole trader and that no one is authorized to transact any business for her or in her name as manager or otherwise.

All persons are hereby notified not to contract any bills with or pay over any moneys to any person on account of the undersigned without her written authority theretor.

Jan. 15, 1900. **MRS. E. MILLER,**
Ironton, Ohio.



INFORMATION WANTED.

About RASMUS JORGEN RASMUSSEN, a Dane whose picture appears above and who emigrated to America November 29, 1882. He has worked as fireman and general assistant in Chicago greenhouses, and worked in the years 1887-88 with one Mr. Hilliard, attorney-at-law, Chicago Heights, Ill. Send particulars to

DANISH CONSULATE,
59 Dearborn St., CHICAGO.

Pittsburg.

STATE OF THE MARKET.—FUNERAL WORK HEAVY.—PLANS FOR THE EASTER SHOWING AT PHIPPS CONSERVATORY.

Trade is still fair and prices about the same. All stock is plentiful except roses. There are few social affairs to keep flowers in demand but what is lacking in this direction is made up by funeral work. One funeral last week brought numerous orders to Gus & J. W. Ludwig, E. C. Ludwig, Thos. Ulam & Co., L. I. Neff, Mrs. E. W. Williams and Randolph & McClements. The last mentioned firm had the house decoration.

There is no special exhibition on at Phipps conservatories just now but Superintendent Wm. Falconer is formulating plans for the coming Easter display, which gives promise of being the finest floral exhibition ever seen in this city. Several novelties will be shown.

G. O.

LAFAYETTE, IND.—Mrs. Chas. W. De Paw is preparing to embark in business as a rose grower and is planning to build several houses in the spring.

CINCINNATI, O.—Carnation Irene was exhibited here by Crabb & Hunter, Grand Rapids, Mich., and not by Witterstaetter as reported last week. Irene will be introduced next year.

Wholesale Flower Markets

CINCINNATI, Jan. 25.

Roses, Beauty, select	75 00
" " medium	25.00
" Bride	6.00@ 8.00
" Bridesmaid	6 00@ 8 00
" Meteor	6.00@ 8.00
" Perle	4 00@ 5 00
Carnations	1 50@ 2 00
" fancy	3 00@ 4 00
Lily of the Valley	3.00@ 4 00
Violets	.75@ 1.00
Narcissus	2.00@ 3.00
Roman Hyacinths	2 00@ 3.00
Callas	8 00@10 00
Harrisii	8.00@10.00
Daffodils	3 00
Asparagus	50 00
smilax	12.50
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15

ST. LOUIS, Jan. 25.

Roses, Beauty	10 00@20.00
" fancy	25.00@50.00
" Bride, Bridesmaid	6 00@ 8.00
" Meteor	6 00@ 8 00
" Perle, Wootton	4 00@ 6 00
Carnations	1 50@ 2 50
Lily of the valley	4.00
Violets	.50@ .60
Narcissus	2 00@ 3.00
Romans	2 00@ 3 00
Callas	10 00@15 00
Harrisii	12 50@15 00
smilax	10.00@15 00
Adiantum	1.00
Asparagus	50.00@75.00
Sweet Peas	1.50@ 2.00

MILWAUKEE, Jan. 25.

Roses, Beauty, long, per doz.	4.00@ 6 00
" " medium " "	1 50@ 3.00
" " short " "	.50@ 1 00
" Bride, Bridesmaid	6.00@ 8.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations	2.00@ 3.00
Violets	.75@ 1.00
Roman Hyacinths	3 00@ 4 00
Migoonette	2.00@ 3.00
Adiantum	1.00@ 1 50
Common ferns	.25
Smilax	15.00@18.00
Asparagus	75.00

PITTSBURG, Jan. 25.

Roses, Beauty	5.00@50 00
" Bride, Bridesmaid	3.00@12.00
" Meteor	3.00@12.00
" Kaiserin	3.00@12.00
" Perle	3 00@ 6.00
" Cusin	3.00@ 6 00
Carnations	.75@ 3.00
Lily of the valley	3 00@ 4 00
Violets, double	.50@ 1 50
" California	.35@ .50
Narcissus Paper White	2.00@ 3 00
Roman Hyacinths	1.50@ 3.00
Harrisii	.15 00@20.00
Freesias	3.00@ 4 00
Tulips	3.00
Mignonette	1.50@ 4 00
Smilax	12 00@15.00
Wild Smilax, per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengeri, bunches	35 to 75c
Galax Leaves	.15

Cyclamen Plants.

THE management of the Rosebank nurseries has decided, in order to make space for other crops, to dispose of the stock of cyclamen plants reserved for special city trade.

This stock is in the best possible condition of form, foliage and florescence, and will be so packed that we have no hesitation in guaranteeing its safe arrival.

Five and Six Inch Pots, averaging twelve blooms each, Six Dollars per dozen.

NO CHARGE FOR PACKING.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of CARNATIONS FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

WEILAND-RISCH FLORAL CO.

WHOLESALE GROWERS OF CUT FLOWERS

We have all the New and Standard Varieties of Roses and Carnations. American Beauties a specialty.

TELEPHONE 605 SALESROOM: 1607 ORRINGTON AVE., EVANSTON, ILL.

WRITE US FOR PRICES ON CARNATION CUTTINGS AND ROSE PLANTS.

GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Cincinnati.. Cut Flower Co.,

W. A. MANN. FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited. Special Attention Given to Shipping Orders.

HARDY CUT FERNS

75 cts. per 1000.

Strictly first-class stock.

LOOSE LAUREL, in sacks, suitable for wreathing and roping,

JOHN ABBOTT, Hinsdale, Mass.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial.

...The American Florist.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

ORCHIDS: CATTLEYAS, $6.00 per dozen
CYPRIPEDIUMS, $15.00 per 100.

	Per Dozen.
AM. BEAUTIES, Ex. long	$7.00 to $8.00
" 24-inch stems,	5.00 to 6.00
" 20 " "	4.00
" 15 " "	3.00
" 12 " "	2.00
" short "	1.00
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.00 to 2.00
BRIDES	6.00 to 10.00
BRIDESMAIDS	6.00 to 10.00
METEORS	6.00 to 10.00
PERLES	4.00 to 6.00
VALLEY	3.00 to 4.00

	Per 100.
VIOLETS, double	$1.00 to $1.25
" single	.50 to .75
ROMANS	2.00 to 3.00
NARCISSUS	2.00 to 3.00
ADIANTUM	.75 to 1.00
ASPARAGUS	50 cts.
SMILAX	$1.50 per doz. 12.50
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS, $1.25 per M.	.15
(Vermont Fern Co.'s very best.)	
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.50
No. 4 " 35 lbs.	4 50
No. 5 " 40 lbs.	5 50
No. 6 " 50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, BULBS, ETC., ETC.

We are strictly headquarters in the Western States for MASSACHUSETTS FANCY FERNS,

Present prices: Per M $1.50; per 5 M lots, $5.50.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

All stock at lowest possible prices.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty, Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO Jan. 25.

Roses, Beauty, extra long stems	6.00@ 8.00
" " 30 inch "	5 00
" " 24 " "	4.00
" " 20 " "	3 00
" " 15 " "	2 00
" " 12 " "	1 50
" " 8 " "	1 00
" Bride, Bridesmaid	8.00@ 12 00
" Perle	4.00@ 8 00
" Meteor	8.00@ 10.00
" Kaiserin	8.00@ 10 00
" La France	6.00@ 8.00
" Golden Gate	10 00
Carnations	1.50@ 2 00
" fancy	3.00@ 4 00
Violets, doub'e	.50@ 1.00
" single	.40@ .50
Lily of the Valley	3.00@ 5.00
Cattleyas per doz.	4.00@6 00
Dendrobiums	3 00
Lilacs per doz., $1.00	
Mignonette	1.00@ 2.00
Roman Hyacinths	1.00@ 2 00
Narcissus	3.00@ 4 00
Harrisii per dozen	1.50
Callas "	1 50
Freesias	4 00
Adiantum	.50@ 1.00
Common ferns	.15
Fancy Ferns	.20
Smilax	10.00@20.00
Asparagus	50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT — Roses Violets

PITTSBURGH, PA.

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA,

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORISTS' SUPPLIES

FLORISTS' VASES.

Horticultural Auctioneers.

N. F. McCarthy & Co.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2085.

Consignments of Roses, Carnations and Violets Solicited.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Wholesale Flower Markets

PHILADELPHIA, Jan. 24.

Roses, Tea	6 00@10.00
" " extra	10.00@12 00
" Beauty, extra	75.00
" " firsts	25.00@50.00
" " seconds	10 00@15.00
Carnations	1 00@ 2 00
" fancy	2 00@ 3.00
Lily of the valley, Romans	3 00@ 4 00
Violets	1 00@ 1.50
Mignonette	3.00@ 4 00
Asparagus	50.00
Smilax	25.00
Adiantum	1.00

BOSTON, Jan. 24.

Roses, Beauty, extra	30.00@50.00
" " medium	15 00@20 00
" " culls	2 00@ 5.00
" Bride, Bridesmaid, Meteor	4 00@ 6 00
" " special	8 00@12 00
Carnations, ordinary	.75@ 1 50
" fancy	2 00@ 3 00
Lily of the valley	2.00@ 4.00
Violets single and double	75@ 1.00
Daffodils	3 00@ 4 00
Longiflorums	10.00@12.00
Paper White Narcissus	1 50@ 2.00
Roman Hyacinths	.75@ 1 50
Mignonette	3.00@ 4 00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL, WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

☞ A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

☞ LONG DISTANCE 'PHONE AT EITHER PLACE

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

In either stiff or flexible cover. ADDRESS ORDERS TO

AMERICAN FLORIST CO., CHICAGO.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
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YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower, Ashtabula, Ohio.

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New Telephone No. 1803 Madison Square.
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WHOLESALE **FflorisT**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Jan. 24.

Roses, Beauty select	25 00@40 00
" " medium	10.00@15 00
" " culls	2 00@ 5 00
" Bridesmaid, Bride, Meteor	3 00@ 6 00
" " " Specials	6 00@12 00
Carnations	50@ 1 00
" fancy	2.50@ 4.00
Lily of the valley	1.50@ 3 00
Violets	40@ 1 00
Romans Hyacinths, P. W. Narcissus	50@ 1.00
Yellow Narcissus	2 00@ 3 00
Mignonette	2 00@ 8 00
Callas, Harrisii	8 00@10.00
Cattleyas	25 00@35 00
Dendrobium formosum	15.00@ 20 00
Cypripediums	10 00@12.00
Smilax	8 00@12 00
Asparagus	35 00@50.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	1 00

BUFFALO, Jan. 25.

Roses, Beauty	5.00@60 00
" Bride, Bridesmaid, Meteor	3.00@10.00
" Perle, Niphetos	3 00@ 5 00
" Kaiserin	3 00@ 8.00
Carnations, ordinary	1 00@ 2 00
" fancies	2.00@ 4 00
Lily of the valley	2.00@ 3 00
Violets	.50@ 1 25
Narcissus Paper white	2 00@ 3 00
Roman Hyacinths	1 00@ 3 00
Harrisii	15 00@20 00
Callas	10.00@15 00
Tulips	4.00@ 5 00
Stevias	1.00@1 25
Smilax	12 50@20 00
Adiantum	.75@ 1.25
Hardy Ferns, Galax Leaves	15
Asparagus	30.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Galax Leaves

To Dealers Outside of New York City.
Choice Galax.....$0.40 per M.
Choice Leucothoe..... 2.00 "
Special attention given orders to go in cold storage. Order at once.
J. N. PRITCHARD, ELK PARK, N. C.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Secy and Treas.

VISITED NEW YORK: Alfred J. Brown, Grand Rapids, Mich.

TAYLOR & ANGEL, seed dealers, of Evansville, Ind, lost $3,000 in a recent fire.

THE demand for high priced beans, peas and onion seed is not so fierce at present.

CATALOGUE houses are finding the increased cost of paper a not inconsiderable item.

THE American Seed Trade Association, with a good programme, will meet in Chicago, June 12.

VISITED CHICAGO: J. E. Northrup, of Northrup, King & Co., Minneapolis; F. H. Henry, of Henry & Lee, New York.

OUR DIRECTORY for 1900 is now ready, with many changes and new features of the greatest value to all branches of the trade. Price $2.00.

GROWING contracts for peas and beans are now being made with the farmers; quite an advance over last year is being demanded and paid by the jobbers.

SOUTH HAVEN, MICH.—The Michigan Seed Company have shipped five cases of seeds and bulbs to Washington, D. C., to be forwarded to the Paris exposition.

THE Albert Dickinson Seed Company is loser to the extent of nearly $500, through the pilfering of postage stamps by one of its employes, who is now under arrest.

SPRINGFIELD, MASS. — The Chappell-Miller Co, 408 Main street, has sold its florists' business to Wm. Schlatter & Son.

AURORA, ILL.—Emil Leuba went away from here December 29, leaving all his belongings behind him. It is feared some mishap may have befallen him.

SPRINGFIELD, MASS.—The plans for consolidating the Amateur Horticultural Society and the Hampden Horticultural Society have fallen through. The former organization will celebrate its eleventh anniversary February 2.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.
Begonia Gloire de Lorraine
EDGAR,
Write for prices. WAVERLY, MASS.

FLORISTS' FLOWER SEEDS AND BULBS

ASTER	Semple's True Branching mixed	large trade pkt.,	20c;	oz., 50c.
"	" She I Pink, white and red	" "	25c;	" 75c.
"	Imp. Pæony Flowered Perfection, mixed	" "	25c;	" 75c.
"	Victoria, mixed	" "	25c;	" $1.25
Ampelopsis Veitchii		per oz.,	10c;	per lb., 75c.
Clematis Paniculata (fine stock)		large trade pkt.,	15c;	per oz., 50c.
Cosmos California Giants		" "	10c;	" 40c.
alba Spotted Leaved, Large Bulbs		per doz.,	40c;	per 100, $2.75
Lily of the Valley Pips, Berlin 3 years old sand grown large crowns		per 100, $10.00;	per case (2500)	$23.00
Lilium Auratum, Japanese grown, fine Bulbs	8-9, per doz., 75c;	100, $4.75;	9-11 per doz., $1.00;	100, $7.50
Lilium Speciosum Rubrum	8-9, per doz., 75c;	per 100, $4.75;	9-11, per doz., $1.00;	per 100, $7.50
Lilium Speciosum Album	8-9, per doz., 80c;	per 100, $6 00;	9-11, per doz., $1.00;	per 100, $7.00
Salvia Splendens (Floracroft strain)		large trade pkt.,	20c;	per oz., $1.00
Smilax		per oz.,	30c;	per lb., $2.50
Verbena, Mammoth mixed		large trade pkt.,	25c.,	per oz., $1.00

Send for Florists' Wholesale List. **JOHNSON & STOKES,** 217 and 219 Market Street, PHILADELPHIA, PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of
CHOICE FLOWER SEEDS FOR FLORISTS
is now ready. A post-card will bring it to you.
We have still on hand some of our
LILY OF THE VALLEY PIPS,
the finest that come to this country.
Per 1000, $10; cases of 3000 at $9 per 1000.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	½-oz.	1-oz.
Vick's Daybreak, pink	$1 50	$4.00
" Purity, white	2 00	6 00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Please mention the American Florist when writing.

Lily OF THE Valley PIPS.

"London Market" and "Premium" Brands.

VAUGHAN'S SEED STORE,
NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

Gardening Under Glass



Try Watson's for
SELECT STOCKS
of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.

	Per kt.
TOMATO, Sutton's Best of All	$0.15
" Lorillard, original stock	.15
" Mayflower, extra selected	.15
" Kromore, Veitch's original sealed packets	.50
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
" English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25
MUSHROOM SPAWN, my celebrated "W P" brand, best in the world, 10 lbs for $1.00	
RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.	
GRAPE VINES, for graperies 30 varieties. 1 yr., 75 cts. 2-yr., $1.50 each.	

Bailey's Forcing Book The latest up-to-date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass, 226 pages, 88 illustrations, price $1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,
Importer and Exporter of
GRASS and GARDEN SEEDS, BULBS,
Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.
Office & salesroom Juniper St. below Walnut,
PHILADELPHIA, PA

XXX SEEDS

VERBENA GRANDIFLORA.

Good percentage of white.

The finest strain of Improved Giant Verbenas yet produced; largest flowers and best colors, per pkt., 800 seeds, mixed colors, 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00.

PHLOX DRUM. PUMILA,

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales. Mixed colors; per trade pkt., 20 cts.

A pkt. of new double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.
THE HOME OF PRIMROSES.

Tell them where you saw the ad.

GENEVIEVE LORD.

THE peer of any light pink Carnation ever offered to the trade. A commercial triumph. Its beautiful color, large size and its matchless length and stiffness of stem make it, beyond a doubt, the queen of its class. There is nothing like it. We offer it to the commercial grower as a money getter of the first magnitude.

As an exhibition flower, it ranks high. It will take care of itself in its class. It has carried off the highest honors wherever shown. The blooms are now being sold in the most critical market and bringing highest prices. It will not be over-propagated. Our book will close as soon as the limit is reached. Order early and be sure.

$75.00 per 1000, $10 00 per 100, $2 00 per doz. Delivery Feb. 15th.

Send for complete description of above. Also MRS. THOS. W. LAWSON, OLYMPIA, THE MARQUIS and ETHEL CROCKER, at introducers' prices.

H. Weber & Sons, OAKLAND, MD.

Write for Prices

Of Rooted Cuttings and 2-in. Roses, also Cut Flowers.

A few hundred two-year-old Kaiserins ready to ship.

We are shifting from 2 to 2½-in. pots our first lot of Roses, which will be ready to ship out about February 15th. Have ready now Rooted Cuttings and 2 in. stock. Send 50c or $1.00 for samples and prices of what you want. Satisfaction guaranteed.

GEO. A. KUHL, PEKIN, ILLINOIS

GIVE US LIBERTY!

will be the cry when the plants are all sold. Order at once.

Robert Scott & Son,
SHARON HILL, Del. Co., PA.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and H. A. MOLATSCH, 68th St., bet. 8th & 9th Avenues, Brooklyn, N. Y.

New Crop

WINTER-BLOOMING CARNATION SEEDS

Hand fertilized, 25c per 100. Cash with order.

AMERICAN ROSE COMPANY, Washington, D. C.

CARNATION CUTTINGS.

We are booking orders for

LAWSON, OLYMPIA, MARQUIS, ETHEL CROCKER AND GENEVIEVE LORD

at introducers' prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY, Sta. F, Cincinnati, O.

CARNATIONS

ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

GENEVIEVE LORD, ETHEL CROCKER, OLYMPIA, ($12 00 per 100.) THE MARQUIS, $10 per 100, $75 per 1000.

	Per 100	Per 1000
MRS. THOS. LAWSON	$14.00	per 100
AMERICA	$5 00	$40.00
G. H. CRANE	6 00	50 00
JUBILEE	2 00	15 00
WHITE CLOUD	3.50	30.00
FLORA HILL	1.50	10 00
JOHN YOUNG	2.00	15.00
ARGYLE	2 00	15 00
MRS. JOOST	2.50	20.00
DAYBREAK	1.50	15.00
VICTOR	1.50	12.50
SCOTT		10.00
BRADT	5 00	40.00
ARMAZINDY	1.50	10.00

GRAFTED ROSES, $10.00 per 100, $90.00 per 1,000.

The earliest YELLOW CHRYSANTHEMUM Yellow Fitzwygram, $7.00 per 100, $60.00 per 1000.

H. F. LITTLEFIELD,
.....WORCESTER, MASS.

Dormant Roses For Potting Up Now, For Easter Flowering.

CRIMSON RAMBLER. EXTRA STRONG 3 year old Budded stock, 4 ft. canes } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes } 100, 20.00
2 year old Budded stock, 3 ft. canes Doz., $2.00 100, $15.00

American Beauty 2 year budded.....100, $15.00
Kaiserin A. Victoria, 2 year budded.... " 15.00
Mad. Caroline Testout, 2 year budded... " 15.00

Hermosa, extra strong Holland grown 2 year Own roots.....100, $13.00
Hermosa, Own roots French grown..... " 8.00
Clothilde Soupert, 2 year field grown ... " 10.00

ALL ON OWN ROOTS, AT $13 00 PER 100:

Gen. Jack, Coquette des Alps, Ulrich Brunner, John Hopper, Mad. G. Luizet, Prince C. de Rohan, Baron Bonstettin, Anna de Diesbach, Paul Neyron, Magna Charta.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild, Gloire Lyonnaise, Marie Baumann, Paul Neyron, Boule de Neige, Baron Bonstettin, Ulrich Brunner, Mad. G. Luizet, Mrs. John Laing, Prince C. de Rohan, Capt. Christy, Anna de Diesbach, Magna Charta, Malmaison, Fisher Holmes, John Hopper, Mad. Chas. Wood, Perle des Blanches, Gen. Jack, La France, Coquette des Alps, Giant of Battles, Gen. Washington, Mabel Morrison, Marshall P. Wilder.

RHODODENDRONS. For Easter forcing. Extra large plants 12 to 20 buds, John Walters, Kate Walters, Mad. Cravalho and Prince C. de Rohan, Each, $1.25. doz., $12.00.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

Liberty!

Own rooted stock only, for April and May delivery.
Price of plants out of 2½-inch pots, as follows:

Liberty!

12 PLANTS	60 cts. each
25 "	50 "
50 "	30 "
100 "	25 "
1000 "	20 "

E. G. ASMUS, West Hoboken, N. J.

Agents: Vaughan's Seed Store, Chicago, Ill. J. N. May, Summit, N. J. F. R. Pierson Co., Tarrytown, N. Y

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

J. MERRICK & Co., nurserymen, have moved from their old location on Common street to Main street, Waterville, Me.

CHARLES H. STUART, of C. W. Stuart & Co., the Newark, N. Y., nurserymen, has gone to Riverside, Cal., to seek relief from a throat difficulty.

EDWIN A. KANST, of the South Park system, Chicago, states that since Carolina poplars have been substituted for elms upon the down town boulevards very few of the trees have died.

Tree Planting in Chicago.

There has been an unusual amount of tree planting in Chicago this season and not the least of the operations have been those in charge of Jacob F. Foster, superintendent for the South Park Commission. During the last four months more than 205,000 young trees and shrubs have been planted in the parks and boulevards of the South Side. The plantings were approximately as follows: Jackson Park, 94,000; Washington Park, 65,000; Drexel boulevard, 19,500, Midway, 15,000; Drexel Square, 11,000; Garfield boulevard, 2,500.

Of this vast quantity of stock, embracing many varieties, only an insignificant proportion was purchased, nearly the whole number being taken from the nursery at Jackson Park, where 60,000 trees and shrubs remain. This year's work will increase the nursery stock to 200,000. Fred. Kanst, who has charge of the work, has now been landscape gardener at the South Parks for twenty-six years. In Jackson Park, the site of the World's Fair, the work of reconstruction this winter will cover some sixteen acres.

JUST OUT!

"Landscape Gardening as Applied to Home Decoration."

BY PROF. SAM'L T. MAYNARD, of the Massachusetts Agricultural College.

354 pages. 155 illustrations. Invaluable.

$1 50 per Copy.

For Sale by VREDENBURG & CO., Rochester, N. Y.

LONG'S

Frequent Call Telephone Cards

WITH 1900 CALENDARS.

A new idea in advertising for the Florist. Practical and inexpensive. Samples 10 c. in stamps.

DAN'L B. LONG, Publisher, Buffalo, N. Y.

Please mention the American Florist when writing.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.....

$2.00 Per Year. Sample Copies Free.

Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. CHICAGO.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the.....

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A." Chilwell Nurseries, - Notts, England.

CARNATION CUTTINGS.

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	5.00	40.00
MELBA	4.00	30.00
LESLIE PAUL	4.00	30.00
GOV. GRIGGS	4.00	30.00
MRS. BRADT	4.00	35.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.50	20.00
VICTOR	2.00	15.00
WHITE CLOUD	2.50	20.00
FLORA HILL	$2.00	$15.00
GOLD NUGGET	2.00	15.00
TRIUMPH	2.00	15.00
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
LIZZIE McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
NIVEA	1.00	7.50
MORELLO	1.00	7.50

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Special prices on large lots.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

OAKS 10,000 Pin, Scarlet, Red, White Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Suger, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.

Leading American Nurserymen, offer one of the Most Complete Assortments of

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

ROSES, field-grown, 2 years old.

AMPELOPSIS VEITCHII, 2 years, strong.

CLEMATIS JACKMANNI, 2 years, XXX.

FLOWERING SHRUBS.

Send for our price-list giving rates upon these and other hardy ornamental nursery stock.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

Several thousand strong field grown, 2 year old

ZELIA PRADEL ROSE

plants for sale, $15.00 per 100.

JOHN WOLF, - Savannah, Ga.

AMERICAN ELMS.

8 to 10 feet, 1 to 1½ inch caliper.

25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.

SEND FOR PRICE LIST.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

CALIFORNIA PRIVET CUTTINGS.

From choice plants, grown at the sea shore, for sale. In view of the immense demand for Privet, nurserymen should increase their stock and all horticulturists should raise some of this favorite hedge plant. Send $1.25 for sample of 100 cuttings.

ATLANTIC COAST NURSERIES, 606 Fourth Ave., Asbury Park, N. J.

James H. Cornell, Prop.

Please mention the American Florist when writing.

CRIMSON RAMBLER,

Strong plants, 3 to 4 ft.....$15.00 per 100

Extra strong plants, 4 to 5 ft..... 18.00 "

Acalypha Sanderi, 2¼ in., $8 00 per 100.

THE CONARD & JONES CO.

WEST GROVE, PA.

Please mention the American Florist when writing.

Commercial Violet Culture.

BY PROF. B. T. GALLOWAY,

Chief of Division of Vegetable Physiology and Pathology, U. S. Department of Agriculture, Washington, D. C.

For description see advertisement on page 731, last issue.

PRICE, POSTPAID, $1.50.

The Florists' Exchange, 52 and 54 Dunne St. New York.

THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—

41 Wellington St., Coveni Garden, London, England.

THE WABASH R. R. COMPANY

The Short and Quick Line between the East and West connecting Buffalo, Detroit and Toledo with Chicago, St. Louis, Kansas City and Omaha.

The Wabash is the Only Line running sleeping cars and chair cars (free) between Buffalo and St. Louis and Kansas City.

Through sleeping cars between New York and Boston and St. Louis and Chicago run every day.

For further information apply to the nearest Railroad Ticket Agent, or to

H. B. McCLELLAN, G. E. A.,
387 Broadway, New York City,
J. D. McBEATH, N. E. P. A.,
5 State Street, Boston, Mass.
C. S. CRANE, Gen. Pass. & Tkt. Agt., St. Louis, Mo.

MÖLLER'S Deutsche Gärtner-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription $3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt. (GERMANY)

CLEMATIS.

Small, thrifty, dormant plants, in 4 best kinds to pot for spring sales, $1.00 per dozen; $8.00 per 100; free by mail or express.

F. A. BALLER, Bloomington, Ill.

Please mention the American Florist when writing.

FOR PRESENT SOWING.

Choicest Strains for Florists' Use, and of New Crop.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE. which is better now than ever. Trade pkt., 50c.; ½ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ½ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14.00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

PANSY, CHICAGO PARKS MIXTURE, trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, Snowball and Longfellow. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trade pkt., 10c; oz., 40c.
" **CANDIDISSIMA.** 1000 seeds, 25c.; oz., $1.

DRACAENA INDIVISA. Oz., 30c.; lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trade, pkt., 25c; ⅛ oz., 35c.

KENILWORTH IVY. Trade, pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

LOBEL'A CRYSTAL PALACE COMPACTA. Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

LOBELIA, SUTTON'S GEM. White, pink or blue. Each, trade, pkt., 20c.

LOBELIA, White Lady; dwarf white. Pkt., 15c.

MIGNONETTE MACHET. true. Pkt., 10c.; oz., 40c.
" Bismarck, new, an improved Machet. Pkt., 15c.; ¼ oz., 50c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE, mixed, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE, each, 250 seeds, 50c.

PRIMULA FORBESI, "Baby Primrose," 500 seeds, 25c.
" " **COMPACTA,** new, 500 seeds, 35c.

SALVIA SPLENDENS, Clara Bedman. Pkt. 25c.
" " Drooping spikes ¼ oz., 25c.
" " New crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA and **ROSEA,** each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz., 30c; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura, and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent on orders for flower seeds for $2.00 and over for cash with order.

For other seeds, send for our complete Flower Seed List.

New York. **VAUGHAN'S SEED STORE,** Chicago.

20,000 Carnation Cuttings

—OF—

WILLIAM SCOTT

Must be sold this week, $6.00 per 1,000, $20.00 per 4,000

White Cloud, Mrs. Joost, $2.50 per 100, $20 per 1,000
Mrs. Bradt and Melba.... 4.00 " " 30 " "
Victor, Daybreak..... 1.25 " " 10 " "
Pingree..... 1.00 " " 7 " "

Cash With Order.

CARL E. TAUBE,

TRENTON, N. J.

Seen by New Firms:

AMERICAN FLORIST ADVTS.



Below I beg to hand you memorandum of some stock I have just received from abroad. Same is in excellent condition and is first-class in all respects. After filling orders on hand, find some surplus, which offer you low to clear. Kindly let me know by return what you can use of same, as I wish to make room for other shipments, and must move the stock quickly.

	Per 100	Per 1,000
DIELYTRA SPECTABILIS (Bleeding Heart), good roots	$ 7.00	$60.00
*Note my low rate on this fine, old-fashioned plant now so scarce—don't miss this chance.		
CLEMATIS JACKMANNI, two year, from pots	25.00	
VALLEY, 3 year pips, extra selected, true Berlin	1.50	12.00
LILIUM HUMBOLDT, heavy bulbs of this beautiful and rare lily	17.00	
PAEONY, Francois Ortegal, the best crimson for cutting	8.50	
FEATHERED HYACINTH, or Purple Mist, (Muscari)	1 00	
SPANISH IRIS Wm. III. and British Queen	1.00	

TERMS—F. O. B. Philadelphia, packing free, net 30 days with 2 per cent. off for cash, and subject unsold on receipt of order. Will esteem your favors.

GEO. C. WATSON, Seedsman.

Importer and Exporter of
GRASS AND GARDEN SEEDS, BULBS,
Mushroom Spawn,
Raffia, Fertilizers and Forcing Stock.

PHILADELPHIA, PENN.

Office and Salesroom, Juniper St., below Walnut.

Please mention the American Florist when writing

SHORT!

It is when stock is short that you find out what a commission man can do. Stock is short now, very short, particularly roses, but we're filling orders just the same, even most of the late ones by wire; filling them with good stock---we're headquarters for that kind. Everything billed at Chicago market rates at time of shipment.

WHOLESALE CUT FLOWERS,

E. C. AMLING,

32-34-36 Randolph St.,

W. S. HEFFRON, MGR.

...CHICAGO, ILL.

Please mention the American Florist when writing.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY		**METEOR**	per 100 $5.00 to 10.00
30-36 in. stem	per doz., $7.00	**BRIDESMAID**	" 6.00 to 8.00
24 "	" 5.00	**BRIDE**	" 6.00 to 8.00
20 "	" 3.50	**PERLE**	" 4.00 to 6.00
15 "	" 2.50	**CARNATIONS**	" 2.00 to 3.00
12 "	" 1.50	" Fancy	" 4.00
8 "	" 1.00		

Quotations subject to change without notice. All other stock at lowest market prices.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Minneapolis.

The following scores were made by the Twin City Bowling Club on Tuesday, January 15:

Player	1st	2d	3d	4th	Av
G. Will	112	151	128	135	132
E. Nagel	124	120	167	115	131
J. Hartman	134	105	111	118	117
C. Swahn		110	110	127	116
T. Lynes	66	143	135	107	113
G. Malmquist	104	136	86	115	110
R. Wessling	86	128	76	132	106
H. Barsch	150	64	110	80	101
A. S. Swanson	78	95	86	85	86
					N.

At New York.

Interest in the weekly bowling games appears to be on the increase, and each Monday evening finds a lively crowd at the alleys on Sixth avenue. Last Monday, after several preliminary skirmishes, the forces lined up as follows, with results appended:

Hafner	179	Traudly	124
O'Mara	150	Lang	146
Siebrecht	90	Burns	135
Atkins	119	J. Manda	139
W. A. Manda	100	Bartholomae	127
Moody	128	Withers	110
Butterbach	110	Sheridan	57
Kettle	105	Taylor	74
Woerner	112	Steffens	106
Clucas	140	Donlan	125
Total	1233	Total	1143

On Monday, January 29, captains of a number of the bowling teams in this vicinity will meet at Traendly & Schenck's, 38 W. Twenty-eighth street, at 6 p. m., to make arrangements for a tournament.

At Denver.

Following are the scores made on Tuesday, January 9:

Player	1st	2d	3d	Av
J. Berry	184	148	282	198
Al. Mauff	172	150	207	176
Chas. Mauff	174	183	156	171
P. C. Gallup	123	195	176	165
Rob't Kurth	150	184	155	163
Chas. Franz	161	129	181	157
A. M. Lewis	185	136	133	151
A. A. Benson	148	155	164	146
C. Meyer	110	171	129	137
John Ferris	98	134	155	129
Ed. Emerich	110	136	136	127
Geo. Zimmer	160	123	85	123
O. Wheatley	148	91	76	105
Geo. Brenkert	107	90	109	105

The following scores were made at the bowling club on January 16:

Player	1st	2d	3d	Av
Robt. Kurth	154	213	221	197
Al. Mauff	224	171	164	186
Chas. Mauff	221	164	167	184
John Berry	171	179	159	170
P. C. Gallup	175	143	182	167
John Ferris	154	175	165	165
A. M. Lewis	135	217	103	163
Ed. Emerich	197	225	118	150
Chas. Thies	181	109	151	147
A. A. Benson	124	176	113	138
Geo. Brenkert	123	119	158	133
Chas. Franz	121	135	128	128

At Flatbush.

A practice game of five frames opened the fun at Flatbush on Thursday evening, January 16. The score showed that the two best men were C. Wocker and Alf. Zeller, and, according to time honored precedent, these gentlemen had the privilege of picking sides. The good judgment of Mr. Wocker, even when the available material was more or less handicapped by the weight of the Florists' Club banquet of the night before and another big dinner at Mr Ward's is plainly shown in the following scores, a perusal of which will undoubtedly put a premium on shares in certain of the players who have never been at a premium before. And the pots were captured by J. I. Raynor and W. J. Stewart, respectively.

Player	1st	2nd	Player	1st	2d
Wocker	129	110	A. Zeller	132	128
Mellis	134	117	Woerner	134	122
P. Dailledouze	131	141	Papa Zeller	86	82
O'Mara	135	133	Pettigrew	72	87
Stewart	129	169	Butterfield	128	104
Cushman	110	166	Wood	79	55
Raynor	146	129	Schmutz	130	104
Hossack	89		Prosser		110
Total	914	1054	Total	761	792

FREEPORT, N. Y.—Olaff Magnusson has purchased sixteen acres of land and will erect a residence and range of greenhouses.

HARRISBURG, PA.—The greenhouse of Thomas Winters, located near the Arsenal, has been purchased by Samuel Parker, general superintendent for the Melrose Floral Company.

NASHUA, N. H.—Aug. Gaedeke & Co. have purchased the greenhouses and land of Judge Hoitt which they have leased for a number of years past. They will tear down the old houses and erect a fine range of modern greenhouses, each 20x100, in their place.



KIFT'S PATENT

Adjustable Vase Holders.

No. 1.—Brass, nickeled, 4 feet long, six clasps to each rod.

Price complete (with green or white tumblers).....$2.25.

Price complete (with green tumblers or cornucopia vases).....$2.50

No. 2.—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-inch pots.....each $.75.

KIFT'S PATENT RUBBER-CAPPED **FLOWER TUBES,**

(As per illustration), 4-inches long, ⅜ inch diameter, per 100, $3.50.

Both the above are indispensable to the decorator. In use and highly recommended by the principal retail stores. Send for illustrated circular.

JOSEPH KIFT & SON, Florists,

1725 Chestnut St., PHILADELPHIA, PA.

Send for our NEW LIST of Plants for EASTER forcing. Florists FREE. Flower Seeds, etc. READY NOW. Tuberous Begonias, single, 5 separate colors, 1 to 1½ inch doz 40c 100 $2.50 1½ to 2 inch, doz 50c 100 $3 Double separate colors, EXTRA. CALADIUM, doz 30c 100, $2; 1 to 1½ inch, doz 75c 100 $5. Gloxinia FINE Fatrains, doz 50c 100 $3. READY JANUARY. Asparagus Sprengeri, seed 100 75c. 1000 $6. ASPARAGUS Nanus, 100, $1.25; 1000 $10. Ismene or Amaryllis Calathina, seed 100, 40c; 1000 $2.50. Parties unable to 100, $1.25; 1000, $10. Cocos Weddeliana seed 100, $1. 1000 $7.50. Japan Fernballs, sample 50c; doz. $4.50.

H. H. BERGER & CO., 47 Barclay St., NEW YORK.

WE ARE HEADQUARTERS

for all the best Novelties of the season in

Chrysanthemums, Carnations and Geraniums.

NATHAN SMITH & SON, Adrian, Mich.

CATALOGUE FREE ON APPLICATION.



FOR 1900. FOR 1900.

HIBISCUS PEACHBLOW.

This is one of the finest plant novelties offered in recent years. The flowers are double and from 4 to 5 inches in diameter. Color a clear, rich pink with a small, deep crimson center, an entirely new and most beautiful shade. 2½-inch pot plants, per dozen, $1.50; per 100, $10.00. March.

AGERATUM STELLA GURNEY.

The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen, $1.25; per 100, $8.00. March.

VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.

We are now booking Import Orders for

H. P. ROSES,

in all popular varieties, at $50.00 per 1000, f. o. b. Boskoop, Holland.

We would be glad to give prices upon Rhododendrons, Azalea Mollis, Clematis, Hydrangeas, etc., upon application.

ENGLISH IVY. Young plants 2-3 ft., 1 to 3 shoots. Just the thing for spring planting. $4 per 100, $35 per 1000.

Bobbink & Atkins,

....RUTHERFORD, N. J.

NURSERY AND STORAGE CELLAR AT Carlton Hill, N. J.

Grandest Geranium Under the Sun, **AMERICA,**

flowers large, opening white, changing through all salmon and rose shades into deep, clear rose color. Habit very dwarf; the most floriferous Geranium of the day—50c. each, $5.00 per doz.

Geranium Mars, 2¼-in. pots, $5.00 per 100.

CASH PLEASE.

HENRY EICHHOLZ, - Waynesboro, Pa.

Please mention the American Florist when writing.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

STORM KING DAHLIA

READY NOW.. **For Forcing.**

Pure white; perfect form; an early and profuse bloomer on very long stems, 30c. each; $3 per dozen; $20 per 100.

W. P. PEACOCK, Atco. N. J.

SPECIALTIES IN BEST VARIETIES

ROSES, from 3-inch pots.

CARNATIONS, for all delivery.

CHRYSANTHEMUMS.

SMILAX.

Prices low. Send for list. VIOLETS.

WOOD BROTHERS, FISHKILL, N.Y.

KENNICOTT BROS. CO.

42 and 44 E. Randolph St., Chicago, Ill.

WE ARE about to go into the handling of Carnation Cuttings and we can assure you that our arrangements are as complete as in anything we do; under the old saying, "be sure you're right, then go ahead."

Wholesale Commission Florists

AND DEALERS IN ALL KINDS OF

FLORISTS' SUPPLIES

Carnation Cuttings

Some of the Leaders for 1900.

	Per 100	Per 1000
CERISE QUEEN—Pink	$2.50	$20.00
G. H. Crane—Bright scarlet, early and continuous bloomer. A most satisfactory variety	6.00	50 00
Mrs. Geo. M. Bradt—White striped scarlet—nothing to equal it	5.00	40.00
White Cloud—A white variety of true merit	4.00	30.00
Maceo—Deep crimson, very free	6.00	50.00
Gomez—Crimson, lighter in color than Maceo	5.00	40.00
Glacier—Pure white, medium height, early and free	6 00	50.00
America—Scarlet, an excellent variety	5.00	40.00
Gold Nugget—Yellow, best in its class	4.00	30.00

GENERAL LIST.

	Per 100	Per 1000
CERISE QUEEN—Pink	$2.50	$20.00
Mary Wood—White	3.00	25.00
Melba—Pink	5.00	40 00
New York—Pink	3.00	25.00
Mrs. James Dean—Pink	3.00	25.00
Mrs. Frances Joost—Pink	3.00	25.00
John Young—White	2.50	20.00
Jubilee—Scarlet	2.00	15.00
Flora Hill—White	2.00	15.00
CERISE QUEEN—Pink	$2.50	$20.00
Mayor Pingree—Yellow	2.50	20.00
Triumph—Pink	2.50	20.00
Daybreak—Pink	2.00	15.00
Evelina—White	2.00	15.00
Wm. Scott—Pink	2.00	15.00
Albertini—Pink	2.50	20.00
Meteor—Crimson	2.00	15.00
Argyle—Pink	2.00	15.00

Our

"Wire Work"

Like our Flowers, always a little better and always a little cheaper than elsewhere. Special Discount

"SALE"

Now on. Write for special quotations.

WHAT WE HAVE ALWAYS CLAIMED—

Give the country buyer the Chicago market price at the time of shipment. If we can't fill your order it is not to be had.

KENNICOTT BROS. CO., CHICAGO, ILL.

Address all mail or telegrams direct to the firm to insure promptness.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.

	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2 00	15.00
Mrs. McBurney	1.50	12.00
Gov. Griggs	2.00	15 00
Hector	3.00	25.00
Albertini	1.50	12 00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15 00
Daybreak, lt. pink	$1.25	$10.00
Painted Lady, cerise	1.50	12.00

White.

	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

ROSES.

	100	1000
American Beauties	$3.00	$25.00
Brides	1.20	12.50
Maids	1.50	12.50
Meteors	1.50	12.50

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	75.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2 00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Scarlet.

	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Jubilee	2.00	15.00
Bon Ton	2.00	15.00

Crimson.

	100	1000
Gen. Maceo	$6.00	$50.00
Gen. Gomez	6.00	50.00
Evanston	2.00	15.00

Variegated.

	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00
Sandusky	3.00	25.00

Yellow.

Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.

Argyle	$1.50	$12.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14 00	Gomez, dark red	$ 4 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1.50
Genevieve Lord, pink	10 00	Daybreak, shell pk.	1 00
Olympia, variegated	10.00	Flora Hill, white	2 00
G. H. Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs. G. Bradt, var.	4 00	Wm. Scott, pink	1 00
Glacier, white, fine	4 00	Lizzie McGowan	1 00
Gen. Gomez, best crimson	$5.00 per 100		
Mrs. Jas. Dean, fine pink	3 00 per 100		

Nephrolepis, Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12 00 per doz.

Cash please. CARL HAGENBURGER, West Mentor, O.

Carnation Cuttings

GENESEE.

The Best Commercial White to Date.

$3.00 per 100; $25.00 per 1000.

JOHN VAN DER WAL,

1730 W. 107th St., Station 48, CHICAGO, ILL.

100,000 Well-Rooted Carnation Cuttings.

Strictly first-class stock from our own greenhouses. Wm. Scott, Edith Fosler, Daybreak, Freedom, McGowan, Wellesley, Robin Hood, Zampa, Nivea, Alba Superba, $1.00 per 100.

Mrs. Frances Joost, $2.50 per 100
Flora Hill, - - $1.50 per 100

Special prices on large lots, or orders booked now for future delivery from sand or soil.

N. F. McCARTHY & CO., 84 Hawley St., Boston, Mass.

☞ OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU ☜
☞ PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS. ☜

Oceanic, N. J.

At the semi-monthly meeting of the Monmouth County Horticultural Society Prof. Byron D. Halsted delivered his lecture on "Parasitic Fungi Under Glass." Although it was storming, ninety-four members were in attendance. Prof. Halsted stated that carnation rust was an old pest in Europe and that it doubtless came to us on imported stock near 1889 and within the last ten years has spread throughout the country. He showed by illustrations how rust can be quickly distinguished by the plump gray blisters produced upon the leaves and stems, and showed how it spreads. The fungous diseases of violets and their remedies were very thoroughly described. Mildew on roses was discussed and shown by illustrations as a surface feeder which does not send its filaments deeply into and between the cells of the leaf. Rust on chrysanthemums was also shown by illustrations and a very lively discussion followed which was participated in by Dr. W. Whitmore, Rev. Dr. Kneip, Prof. Walling, Frank McMahan, A. Stewart, H. A. Kettel, N. Butterbach and others.

After the lecture, refreshments were served which were followed by cigars and good cheer. The committee reported upon N. Butterbach's seedling carnation, No. 11, in terms of highest praise, styling it the best yellow to date. B.

Carnations, ROOTED CUTTINGS

Healthy, strong plants, Crown cool, first crop from new house.

	Per 100.	Per 1,000.
Flora Hill	$1.25	$12.00
Freedom	1.00	9.00
Daybreak	1.00	9.00
Wm. Scott, ex. good	1.00	8.00
Mrs. Fisher, ex. good and clean	90	7.00

Chrysanthemums, all the best commercial and exhibition varieties in large quantities. Write for price. Cash from unknown parties. Address

J. W. HOWARD, Russel St., Woburn, Mass.

Carnation Cuttings.

IN GOOD CONDITION FROM GOOD STOCK.

Write for prices

Huntsman & Company
CINCINNATI.

CARNATION CUTTINGS.

America	$1 50 per 100.	Victor	$2.50 per 100.
Melba	4.00 " "	Gold Nugget	2.00 " "
Mrs. Bradt	4.00 " "	Jubilee	2.00 " "
Mary Wood	2.50 " "	Daybreak	1.25 " "
White Cloud	2.50 " "	Flora Hill	1.25 " "
Triumph	2.50 " "	L. McGowan	1.00 " "
		Tidal Wave	1.00 " "

5 Per Cent. Diacount for Cash.

THE NEW RED CARNATION **CATBIRD**

As free a bloomer as Tidal Wave. Free from any disease. Good, strong stock from 2-inch pots. $3.50 per 100, $30.00 per 1,000.

Lake Geneva Floral Co.
LAKE GENEVA, WIS.



PERU

A New Pure Glistening White

CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

Carnation Cuttings!

	Per 100	Per 1000		Per 100	Per 1000
G. H. CRANE	$5.00		DAYBREAK	$1.25	$10 00
MRS. BRADT	4.00		ARGYLE	1.25	10.00
WHITE CLOUD	2.50	$20.00	ARMAZINDY	1.25	10.00
MRS. JOOST	2.50	20.00	McGOWAN	1 00	7.50
TRIUMPH	2.50	20.00	EVELINA	1 00	7.50
EVANSTON	2.50	20.00	MAYOR PINGREE	1.00	7.50
GOLD NUGGET	2.00	15.00	PAINTED LADY	1.00	7.50
MRS. McBURNEY	2.00	15.00	WM. SCOTT	1.00	7.50
JUBILEE	2.00	15.00	TIDAL WAVE	1.00	7.50
FLORA HILL	1 25	10.00	MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000		Per 100	Per 1000
LA FRANCE	$2.00	$17.50	BRIDE	$1.50	$12.50
PERLE	1.50	12.50	BRIDESMAID	1.50	12.50
METEOR	1.50	12.50			

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety), in color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With **18 000 stock plants** to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. **HERR'S PANSIES**, good little plants, at 75 cts. per 100; $4.00 per 1000.
Price list of standard vars. ready now. **ALBERT M. HERR, Lancaster, Pa.**

CARNATIONS.

LARGE STOCK OF STRONG ROOTED CUTTINGS NOW READY.

G. H. Crane, Morning Glory, Maceo, Glacier, Gomez, America, Red Mrs. Bradt (or Chicago), Mary Wood and other good standard sorts.

Mrs. Geo. M. Bradt for March Delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

Mrs. Thos. Lawson, Ethel Crocker, The Marquis, Olympia and Genevieve Lord. At introductory prices.

We make a specialty of rooted cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. Dorner & Sons Co.,
LAFAYETTE, IND.

100,000 R. C--No Discount.

CARNATIONS, Ready.

	Per 100
Mrs. Thos. W. Lawson, pink	$14.00
Ethel Crocker, "	10.00
Olympia, variegated	12.00
The Marquis, pink	10.00
Genevieve Lord, pink	10.00
G. H. Crane, scarlet	5.00
America, scarlet	4.00
Melba, light pink	3.00
Mrs. Geo. M. Bradt, variegated	3.00
Glacier, white	3.00
Maud Adams, dark pink	3.00
Gomez, dark red	4.00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3.00
Argyle, pink	1.50
Triumph, "	1.50
Daybreak, shell pink	1.00
Empress, dark red	1.00
Flora Hill, white	1.25
White Cloud, "	2.50
Mary Wood, fine white	3.00
Jubilee, scarlet	1.25
Psyche, variegated	1.00
Morello, dark scarlet	1.00
Wm. Scott, pink	1.00
Lizzie McGowan	1.00

5 cuttings at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

Carnations. ROOTED CUTTINGS

SEND FOR PRICES.

ALL THE NEW AND STANDARD VARIETIES.

Geo. Hancock & Son, Grand Haven, Mich.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J

CHICAGO CARNATION CO.,

The Great and Only Carnation Specialists

CUTTINGS NOW READY.

	Per Doz.	Per 100	Per 1000.	Blooms.
Genevieve Lord, the peer of any light pink carnation ever offered	$2.00	$10.00	$75.00	5c each.
Chicago, scarlet Bradt	1.50	7.50	60.00	5c "
Mrs. Lawson, cerise pink	3.00	14.00	120.00	
Olympia, variegated	2.00	12 00	100.00	
Ethel Crocker, pink	1.50	10.00	75.00	

	Per 10	Per 1000	Blooms
Frances Joost pink	$2.50	$20.00	3c each
Mrs. Jas. Dean, pink	2.50	20.00	5c "
John Young, white	2.50	20.00	4c "
White Cloud white	4.00	30.00	5c "
Mrs Bradt, variegated	5.00	40 00	4c & 5c
Gen. Maceo, crimson	6 00	50.00	5c "
Gen. Gomez, crimson	6.00	50.00	5c "
G. H. Crane, scarlet	6 00	50.00	5c "
Gold Nugget, yellow	2.50	20.00	5c "

	Per 100	Per 1000	Blooms
Argyle, carmine	$2.50	$20.00	4c each
Jubilee, scarlet	2.00	15.00	4c "
Armazindy, variegated	2.00	15.00	2c "
Evelina, white	2.00	15.00	2c "
New York deep pink	2.00	15.00	2c "
Wm. Scott, pink	2.00	15.00	2c "
Victor pink	2.00	15 00	2c "
Daybreak, light pink	2.00	15.00	2c "
Flora Hill, white	2.00	15.00	4c "

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75 00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List. Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00

	100	1000
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

CHICAGO **VAUGHAN'S SEED STORE** NEW YORK

ELM CITY

A GRAND NEW WHITE *Carnation.*

Seedling of Lizzie McGowan and Mme. Diaz Albertini in its fifth year. The flowers are large, fine shaped, and of strong fragrance. Petals are heavy, of good substance and nicely fringed. Calyx is very strong after the style of Mme. Albertini and none bursting, the stem strong, holding the flower erect. The plant is a good grower and free bloomer, not subject to stem rot or any disease. Rooted cuttings ready February 1 at

$1.50 per Doz. $10.00 per Hundred. $70.00 per Thousand.

Cash with order. We shall prepay express charges where money accompanies the order. Orders filled in rotation.

M. E. KRAUS, 320 Davenport Avenue, NEW HAVEN, CONN.

CARNATION CUTTINGS.

All leading varieties, now ready.
Send for list.

HOLTON & HUNKEL CO., Wholesale Florists, **Milwaukee, Wis.**

Grand Rapids, Mich.

Trade conditions are healthy for the weather has been such as not to bring out too many flowers, and roses are in short supply, as are the better grades of carnations, common sorts being about equal to the demand. Bulbous stock is now somewhat short and violets none too plentiful.

Chas. Chadwick, who recently suffered from fire, has his houses closed in and is getting ready for an immediate crop of lettuce. He is also stocking up liberally on rooted carnation cuttings for next winter's stock.

Eli Cross has returned from New York, where he went to meet his sister from England. GEO. F. CRABB.

LAWRENCE, MASS.—Paul R. Burtt, of Lowell, has opened a branch office here with F. H. Baldwin as manager.

LENOX, MASS.—The annual ball of the Lenox Horticultural Society on the evening of January 23 was a most brilliant success. The decorations were very fine.

COLEUS ROOTED CUTTINGS....

Verschaffeltii, Golden Bedder, Empress of India, } All strong and well rooted.

Price $1.00 per 100; $7.50 per 1000. (500 at 1000 rates). N. B. Orders calling for 1000 or more cuttings will be sent F. O. B. N. Y. City.

Seawanhaka Greenhouses, JAS. C. CLARK, Supt.
P. O. Box 34. OYSTER BAY, N. Y.

ROBT. CRAIG & SON
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA PA.

HEADQUARTERS FOR
Palms & Ferns.
Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.
Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, DAYTON, OHIO.

Orchids!
We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.
LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

PANSIES. Per 100

Large-flowering strain.....1000, $2.50,	.50
OXALIS floribunda, 2-inch pots.....	2.50
100 each BRIDES and MAIDS, 2½ in. pots.	2.50
GERANIUMS, 16 varieties, 2½-inch pots...	3.00

CASH WITH ORDER.
JOS. H. CUNNINGHAM, Delaware, Ohio.

NAMED VARIETIES OF GERANIUMS. Per 100

S. A. Nutt, J. Y. Markland and La Favorite, from 2½-inch pots.....	$3.00
4 inch pot Vinca Vines.....	6.00
3 " " "	4.00
Rooted Cuttings Vinca Vines (from flats)....	1.50
3 inch pot Primroses, in bud and bloom, ready to repot.....	4.00
2 inch pot Primroses, in bud and bloom, ready to repot.....	2.00
2 inch pot Smilax plants.....	2.00

Cash with order or C. O. D.
WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

ROOTED CUTTINGS
Nice, Clean Stuff, and Well-Rooted.

Verbenas, 75,000 now ready, twenty-six varieties.....100, 60c; 1000, $5.00; 5,000, $25.00
New Daisies (or Marguerites), the best that have ever been introduced. Try a few of them and find out for yourself.
Earl Poehlman—the new yellow ever-blooming Paris Daisy.....Doz., 25c; 100, $1.25
Madame Farfaiellon—bright, silvery-green foliage, white flowers, very dwarf grower. Doz., 25c; 100, $1.25
Madame Gailbert—large white petals, yellow disc. Nothing can be imagined that is finer. Doz., 25c; 100, $1.25
New Salvia Yellow Bird—bright, yellow foliage, bright, scarlet flowers, Doz., 20c; 100, $1; 1000, $9.
Salvia Habald—This is more dwarf and much better than Old Splendens. Doz., 20c; 100, $1.00; 1,000, $9.00
Geranium—Mme. Salleroi....100, $1.25; 1,000, $10.00
Ageratum—Princess Pauline. Doz., 20c; 100, $1.00; 1,000, $9.00
Coleus—Golden Verschaffeltii, Scarlet Verschaffeltii, Fire Brand, Tam O'Shanter, South Park Gem, Alhambra, Fire King, Golden Crown, Midnight, Salvator, John Goode, Spotted Gem, Combination, Mrs. F. Sanders, Nigger, Queen of the West, Beckwith's Gem...100, 70c; 1,000, $5.50; 5,000, $25; 10,000, $45.
Heliotropes—three fine varieties. Doz., 30c; 100, $1.00; 1,000, $9.00
Manettia Vine....Doz., 25c; 100, $1.25; 1,000, $11.00

I pay Express charges, and guarantee to please you in every way.

S. T. DANLEY, MACOMB, ILL.

Nephrolepis Exaltata Bostoniensis...
THE CELEBRATED BOSTON FERN.
Orders booked for small plants for April delivery, at $5 per 100; $40 per 1000.
A few of the larger sizes on hand for immediate delivery.
EDWIN LONSDALE,
P. O. Address for the time being:
Money Order office same as heretofore, Chestnut Hill (Sta. H.) Phila., Pa. WYNDMOOR, Montgomery Co., PA.

Pteris Deweyana.
A most desirable new fern, now offered for the first time by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never runs; hard, and grows very freely from spores.

12 Fine Plants, 3 inch pots.....$	3.00
100 " " " "	20.00
12 Good Plants, 2 inch pots.....	2.00
100 " " " "	15.00

Six latter mailed, $1. With balls of roots undisturbed.

JOHN H. LEY,
GOOD HOPE. WASHINGTON, D. C.

CINERARIAS!
For EASTER FLOWERING.
From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. Fine, stocky plants—2½ in., $2.00 per 100; $5.00 per 300; 3-in., $3.00 per 100.
SHELLROAD GREENHOUSE CO.,
....Grange P. O., Baltimore, Md.

...SPECIAL..
ROOTED CUTTINGS.
Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000.

50,000 Verbenas, 20th Century collection, 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to-date, 60c per 100; $5.00 per 1000. Strong, 2-in., $2.00 per 100; $18.00 per 1000; full of Cuttings elegant stuff.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

20,000 Geraniums, embracing our entire superb collection, $1.50 per 100; $15.00 per 1000; large, fine Cuttings of uniform size. 5000 2½ inch Paul Bruant, the best scarlet, and S. A. Nutt, the best crimson, $2.50 per 100. New Giant California White Marguerite and New Golden, both sell at sight, $1.00 per 100. Strong, 2½-inch, $2.50 per 100.

Ageratum, Princess Pauline, the only one to grow. $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.50 per 100.

Fuchsias, best sorts, $1.50 per 100. Vinca Major, $1.00 per 100.

Smilax, strong, 2½-inch, $1.50 per 100, 2-inch, $1.00 per 100. Seedlings, big bushy plants, fit to plant right out, 50c per 100; $4.00 per 1000, delivered.

500 Roses, 2 year-old, Brides and Maids, fine for the south, $5.00 per 100 (half value).

Our wholesale descriptive list of Specialties mailed on application. Cash must accompany all others. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.



VERBENA KING.
The largest Verbena grower in the world (Bros. & Sisters); we have them, too, the very best mammoth named vars. on earth and sure to please you at the following prices—60c. per 100, $5.00 per 1000; 5000 for $22.00, 10,000 for $40.00. Write for prices on larger lots.
Look here! we pay express charges on all Rooted Cuttings, and beside, we guarantee satisfaction in every shape or manner and we will do it for

Carnations-Rooted Cuttings.
Flora Hill—$1.50 per 100; $14.00 per 1,000.
Lizzie McGowan—$1.00 per 100; $9.00 per 1,000.
Wm. Scott—$1.00 per 100; $9.00 per 1,000.
AGERATUM—Cope's Pet, blue; Lady Isabel, white; 60c per 100; $5.00 per 1,000.
COLEUS Twenty best named vars., including C. Verschaffeltii and Golden Bedder, all money makers. R. Cuttings, 70c per 100; $6.00 per 1,000.
DAISIES California, White, Yellow Castle, Yellow, the best all-round Daisies, both stand the heat and dry weather. Well-rooted Cuttings, $1.00 per 100; $9.00 per 1,000; 2-in. strong, $2.00 per 100. Send for list. THAT CASH, PLEASE.
We pay the express on all Rooted Cuttings. Our guarantee goes with everything we send out.
C. Humfeld, Clay Center, Kans.

WILL EXCHANGE

	Per 1,000
2,000 R. C. Alternanthers, summer stock.....	$5.00
2,000 R. C. Ageratum P. Pauline.....	5.00
1,000 R. C. Ageratum White Cap.....	5.00
	Per 100
500 Geraniums, very fine, 2½ in. pots.....	$3.00
500 Rose Geraniums, very fine, 2½ in. pots.....	3.00
200 Moonvines, 2½ in. pots.....	4.00
100 Marguerites, 2½ in. pots.....	3.00
75 Cyperus Alternifolius, 5 in. pots, fine.....	6.00
50 Grevillea Robusta, 2½ in. pots.....	3.00

For rooted cuttings Carnations as follows: Crane, America, Gomez, Maceo, White Cloud, Jno. Young, Frances Joost, Melba, Victor, Bradt.
FURROW BROS., Guthrie, Okla.

Orchids. Orchids.
F. SANDER & CO.
Have the finest and largest stock in the world.
St. Albans, England, & Bruges, Belgium.
Agent: A. DIMMOCK, 60 Vesey St., NEW YORK.



JAPANESE FERN BALL—IN LEAF.

Japanese
FERN BALLS.

A GRAND NOVELTY

IF STARTED SOON THEY SHOULD BE IN FINE CONDITION FOR EASTER SALES.

We have an immense stock of these in fine shape and perfect condition.

Each, 50c.; per dozen, $4; per 100, $30.

Prices quoted for larger quantities on application.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

HOME GROWN PALMS

		Pots	Leaves.	High.	Per doz.	Per 100
Kentia Belmoreana		3-in.			$3.00	$23.00
" "		4-in.			5.00	40.00
		Size	Char.			
		Pots.	Leaves.	High.		
" "	5,	5-7	18-24,	$9-$12	$70-$90	
" "	6,	7-8	20-25,	18	144	
" "	7,	7-8	36-40,	30-36	240-250	
Kentia Forsteriana, 3-in. $2.50 per doz.; $20 per 100						
" "	4-in. $5.00			"	$35	"
" "	5,	5-6	24-30,	$9-$12	$75-$95	
" "	6,	7-8	25-30,	18	144	
" "	7,	7-8	35-42,	28-30	225	
" "	8-9	7-8	$3.00 to $4.00 each.			
Latania Borbonica, 2½-in.					60	5.00
" "	3-in.				1.25	10.00
" "	4-in.				3.00	23.00
" "	5,	5-8	15-20,		5.00	40.00
" "	6,	6-8	16-24,		8.50	65.00
" "	7,	6-8	18-24,		12.00	90.00
" "	8,	7-8	28-34,		22.00	175.00
" "	9,	7-9	28-36,		34.00	272.00

Ficus Elastica, 5-inch, doz. $5.00; 6-in. $8.00 doz. **Livistona Rotundifolia**, 7 in., 12-14 leaves, $2.50 to $3.00 each. **Pandanus Veitchii**, 4-in. to 14-in., 50c to $10 each. **Boston Ferns**, 5c to $2.00 each. **Cycas, Dracænas, Asparagus, etc.**, in large variety. We have over 150,000 Tropical Plants. Terms cash, but inspection allowed at express office.

ALBERT FUCHS,

2059-73 N. Halsted St., CHICAGO.

ESTABLISHED 1884.



FANCY DAGGER

HARDY Cut Ferns!

$1.00 PER 1000.

GALAX LEAVES.....$1.00 per 1000
BOUQUET GREEN.....4 cts. per lb.
SPHAGNUM MOSS.....75 cts. per bbl.
BOUQUET GREEN WREATHING, all sizes made to order.....3 to 8 cts. per yd.
XMAS TREES, both Spruce and Balsam, for decorations, from 4 to 20 ft. Price very reasonable.
BAILED SPRUCE, for cemetery use, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

PRIMROSES, from 3 and 3½-in. pots, 75c. per doz., $5.00 per 100.
ATERNANTHERA, $4.00 per 1000.
E. I. Rawlings, Wholesale Florist, QUAKERTOWN, PA.

POT-GROWN LILACS FOR FORCING.



We can still supply a fine lot of pot-grown Lilacs, bushy, well-budded dwarf plants. This is always good stock for the retailer to handle, either as cut blooms or to sell as pot plants. A night temperature of 60 to 70 degrees will develop their flowers in three weeks' time, and a continual supply of fine flowers can be had from now until Easter at but small expense and labor. The varieties we offer are,

Charles X.—Red, $6 per doz., $45 per 100.
Marie Legraye—White, $6 per doz., $45 per hundred.
Mme. Lemoine—Double white, $6 per doz., $45 per 100.

AZALEA MOLLIS.

This hardy Azalea is used extensively in all European cities for early forcing; they are great favorities on account of their varied and brilliant coloring.

We offer a fine lot of bushy plants, twelve to fifteen inches high, well covered with buds, at $6 per doz.

ACACIA ARMATA.

A pretty spring flowering variety which produces its flowers in globular heads from the axils of the foliage in such a manner as to completely envelop the plant in a pleasing light yellow; an excellent plant for Easter forcing, succeeding under the same culture as the Azalea; a nice lot of bushy plants, 12 to 15 in. high, 5 inch pots, 50c. each; $5 per doz.

The Lilacs and Azalea Mollis can be shipped by freight without injury to any kind of weather.

HENRY A. DREER,

714 Chestnut St. PHILADELPHIA, PA.



Prepared Palms

25% CHEAPER than any other manufacturers.

CLARE & SCHARRATH,
ORLANDO, FLA.
Send for catalogue....



Natural Palm Leaves and Fibre

Gathered in the district where palms grow to greatest perfection. Best quality. Any quantity. Cheap freight.

ADDRESS
J. F. POWELL, - MELBOURNE, FLA.
Reference—State Bank of Melbourne.



PREPARED TROPICAL PALMS

—AND—

CYCAS ..LEAVES.

Send for Catalogue.

Ostertag Bros., Florists,
Washington and Jefferson Aves., ST. LOUIS, MO.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. **THE AMERICAN FLORIST.**

Worcester, Mass.

Since the holidays trade has been very steady and as a whole very satisfactory to both grower and storeman. Of the newer varieties of carnations G. H. Crane seems to be the king-pin of the 1899 list, with Gomez and America well up in the race. Melba has not been exactly a howling success and is not as desirable with us as Mrs. James Dean. Maud Adams is like the little girl who "when she is good is very, very good, but when she is bad she is horrid." In white varieties Flora Hill has had the lead but now has to concede first place to White Cloud. Mrs. Bradt is popular and though more plentiful than last year, none have gone to waste.

Roses of the best quality are in good demand and fair supply. Lange will plant a house of Liberty for next year.

Lilies are plentiful and selling well. There is still considerable disease noticeable among the Harrisii, but longiflorums, both Japan and Bermuda grown, are very good.

H. F. A. Lange has just completed his store alterations, and now has one of the best equipped establishments in New England. A. H. L.

HOLYOKE, MASS.—E. D. Shaw has sold an interest in his business to J. B. Bellamy and the business will hereafter be conducted under the title of E. D. Shaw & Co.



October Potted Plants

		Per 100
10000	**Chinese Primulas,** fine.....2¼-in.,	$1.00
40000	**Alternantheras,** 4 varieties.....2¼-in.,	1.50
5000	**Feverlew Little Gem**..... "	1.50
2000	" yellow foliage..... "	1.50
10000	**Coleus,** 15 varieties, fine..... "	1.50
10000	**Begonias,** 15 " " "	1.50
2000	**Forget-Me-Not,** winter bloomer.. "	1.50
2000	**Obconica,** extra strong..... "	2.00
2000	" " " 3½-in.,	3.00
2000	**Iresines,** red, " 2¼-in.,	1.50
1000	**Mesembryanthemum Ereclum**.... "	1.50
1000	**California Moss**..... "	1.50
	Clara Bedman..... "	2.00

5 plants at 100 rates.

CASH. We have only what is in this ad. for sale.

W. H. MURPHEY,
MINOOKA, ILL.

STOCK CYCLAMEN Persicum Splendens Giganteum, a few hundred plants left, in bud and bloom, $1.20 per doz., $10.00 per 100.

NOW READY. Cyclamen P. S. Giganteum in four true colors, twice transplanted, strong plants from flats, $2.50 per 100; $20.00 per 1,000.

CHINESE PRIMROSES, fringed foliage, finest market varieties from 2¼-in. pots, $2.00 per 100; from 3-in. pots, all in bud and bloom, in seven colors, including blue, dbl. white and red; well-grown plants, $4.00 per 100; from 4-in. pot, $6.00 per 100.

All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

ROOTED CUTTINGS

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2000	" Ensifolia.....	"	2.50	20.00
2000	" Serrulata Max...	"	"	"
2000	" Longifolia.....	"	"	"
2000	" Serrulata.....	"	"	"
2000	" " Compacta Nana"		3.00	25.00
1000	" Onardia.....	"	2.50	20.00
1500	Nephrolepis Bostoniensis.	2½-in.	5.00	40.00
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GIANT ALYSSUM, $1.00 per 100.

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HELIOTROPE, 6 varieties, named, $1.00 per 100.

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FEVERFEW, $1.50 per 100; $12.00 per M.

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The above are rooted cuttings, except when noted.

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Galax Leaves—Brilliant Bronze	$1 per 1000
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Leucothoe Sprays	$1 per 100
Wild Smilax " hand-picked" brand	50 lb. case, $6.50
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Jersey Wakefield and other vars. from cold frames, transplanted, 25c per 100; $1.50 per 1000; $12.50 per 10,000. If by mail add 20c per 100.

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The floral trade in this city suffered a very decided falling off immediately after the holidays and has continued very quiet ever since. There has been an abundance of flowes and potted plants. Azaleas were never prettier and primroses and cyclamens have made good decorations and had a fair sale. Roman hyacinths and narcissi continue abundant and useful in funeral work. Roses are very good, both in color and form, but are selling at a very low price for the midwinter season. Carnations are much sought after and are of good quality. One dealer is showing a fine supply of Harrisii, calla and speciosum lilies.

M. C. DORRIS.

Omaha.

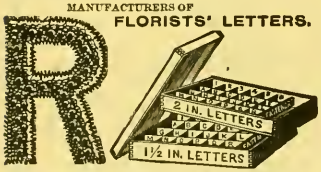
On January 10 the Nebraska State Horticultural Society held its annual meeting at Lincoln and, as usual, the florists were in evidence. J. H. Hadkinson and Louis Henderson, of Omaha, and L. Chapin, of Lincoln, read essays and Chapin Bros. and W. J. Hesser exhibited plants and flowers. J. H. Hadkinson, W. J. Hesser and L. Henderson were re-elected as officers of the society.

We are having very mild weather, which is appreciated, as coal is high. Business is brisk and steady.

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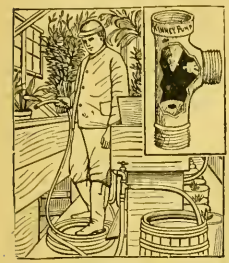
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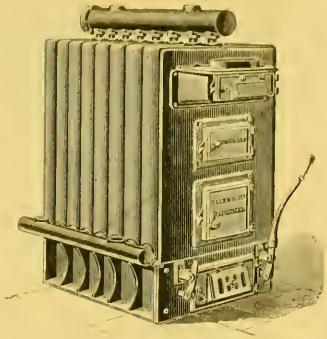
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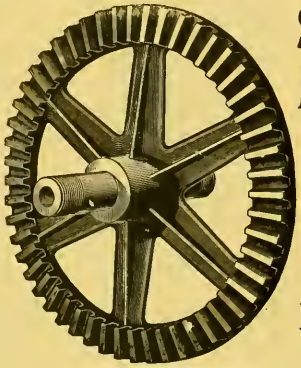
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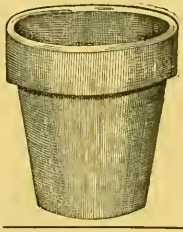
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800 3½ " "	5 80	24 11 " "	3 60
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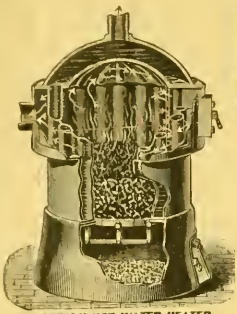
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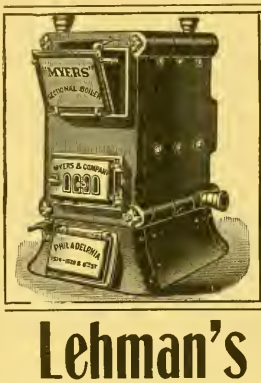
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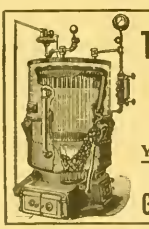
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